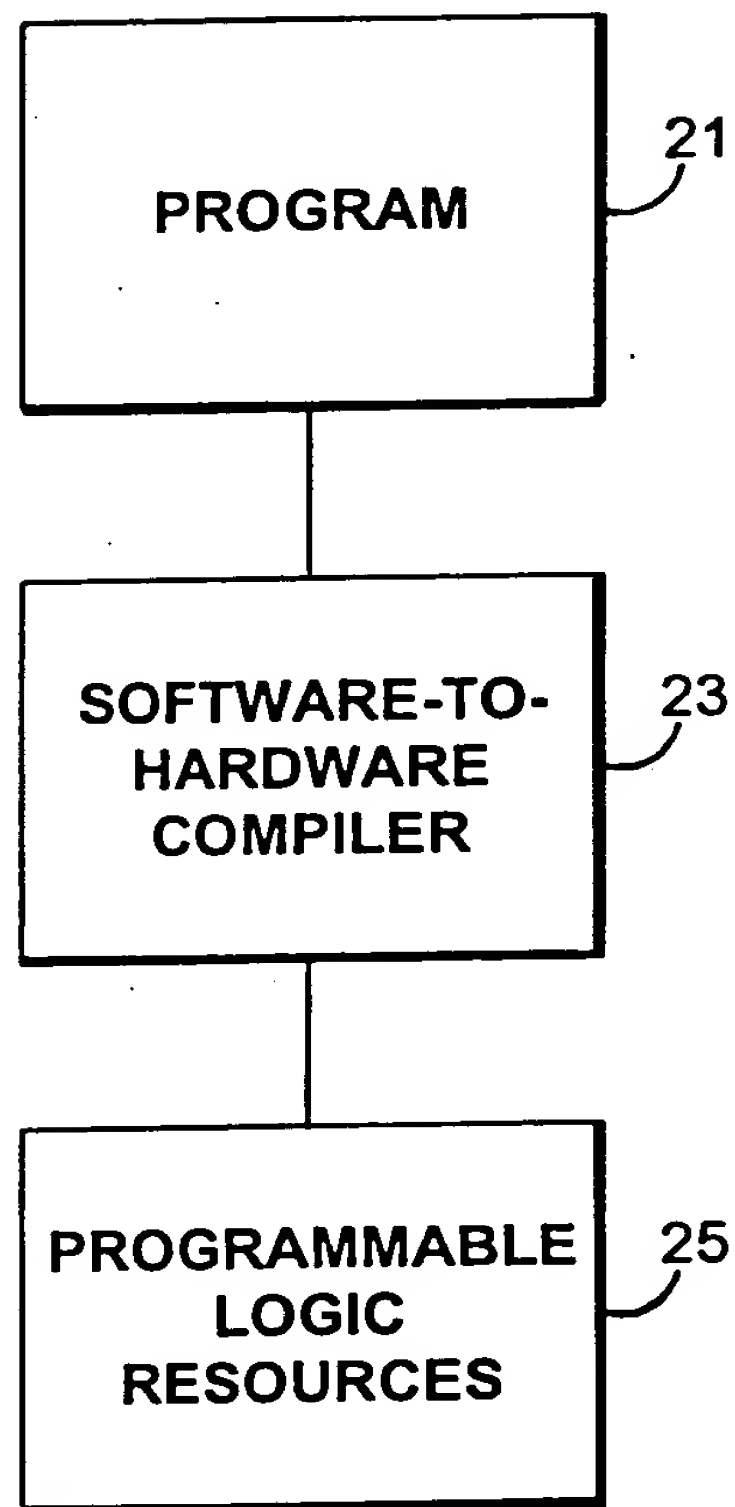
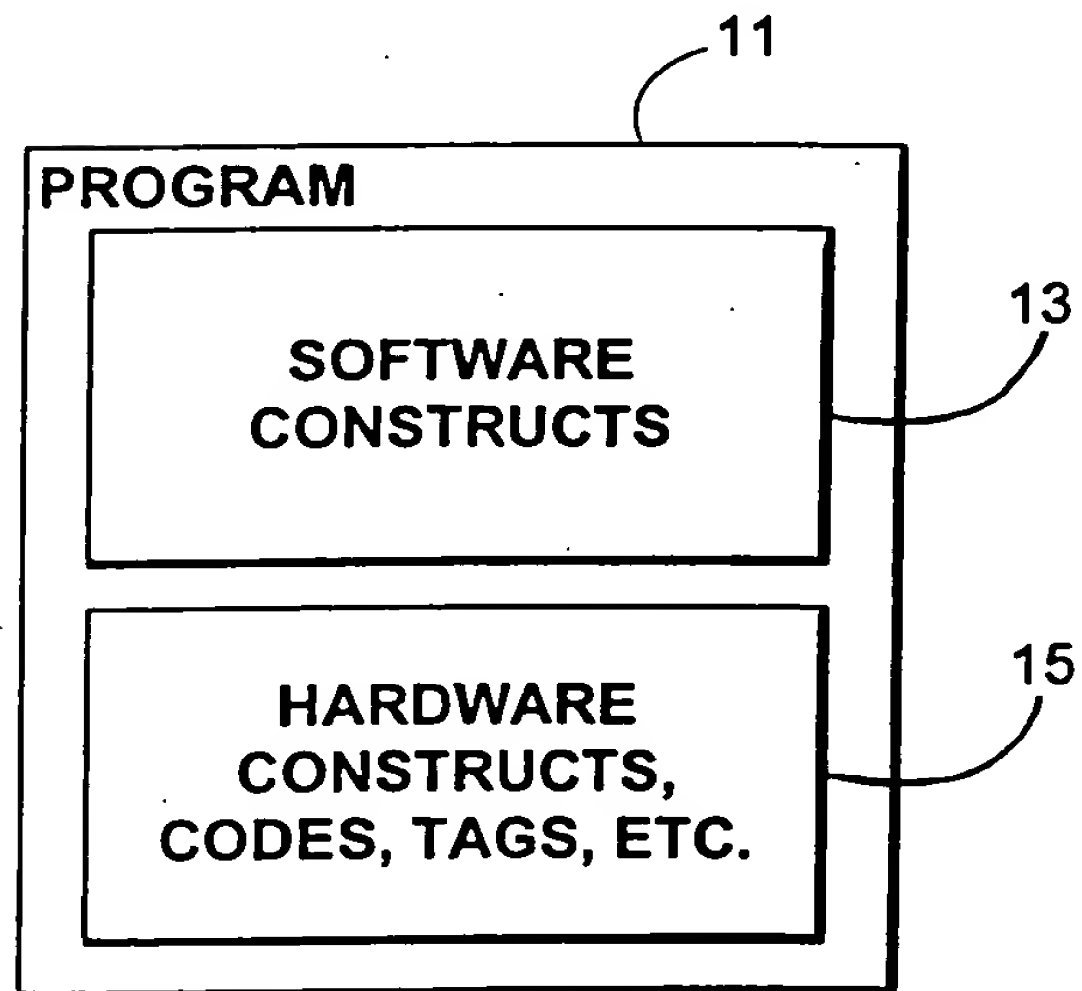


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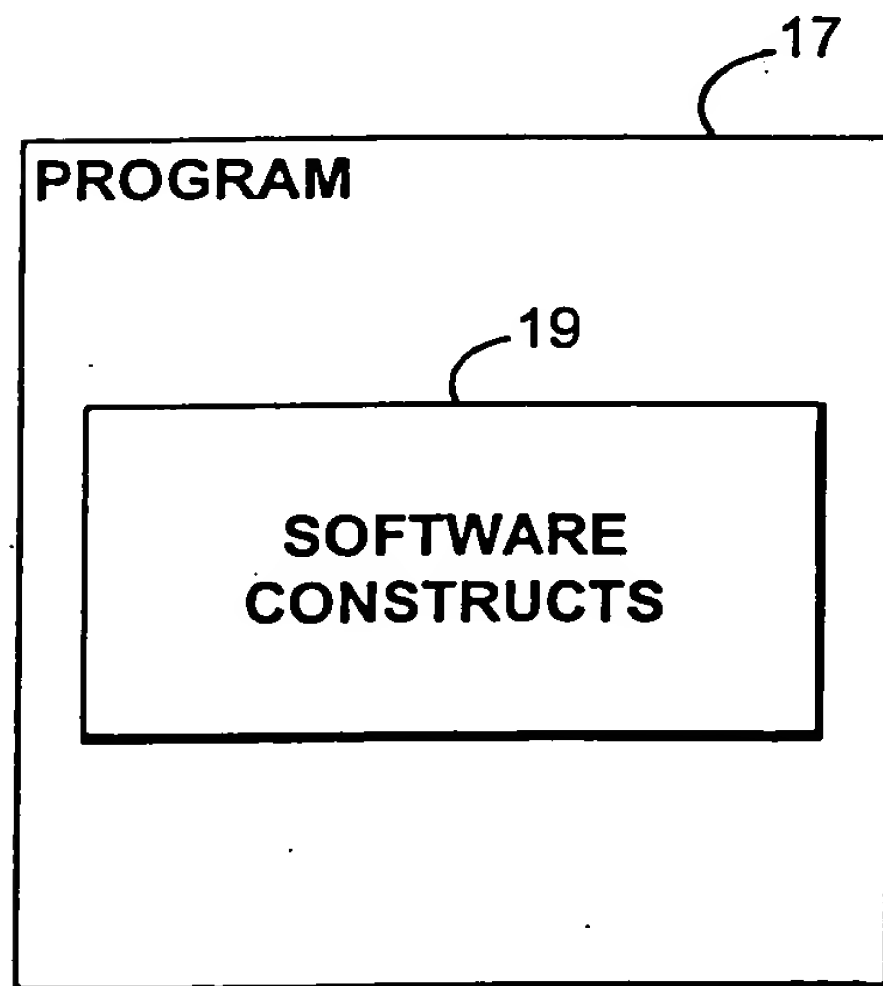


**FIG. 1**

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**FIG. 2**  
(PRIOR ART)



**FIG. 3**

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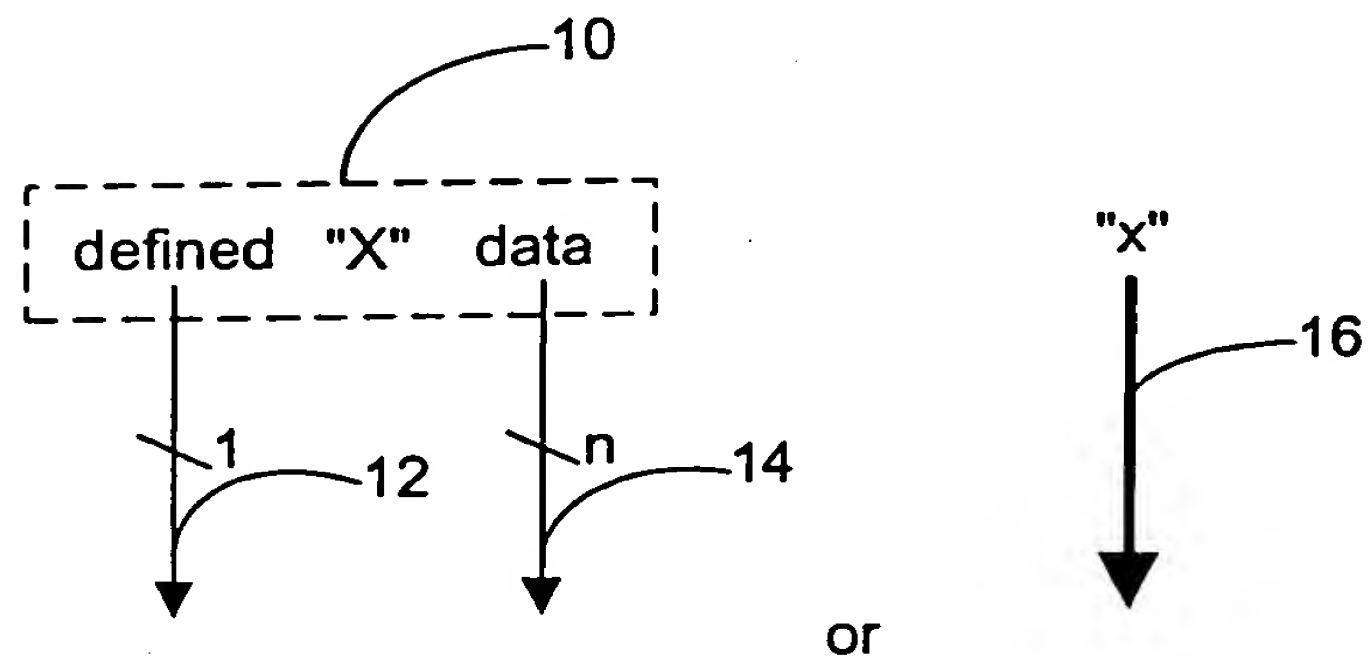


FIG. 4

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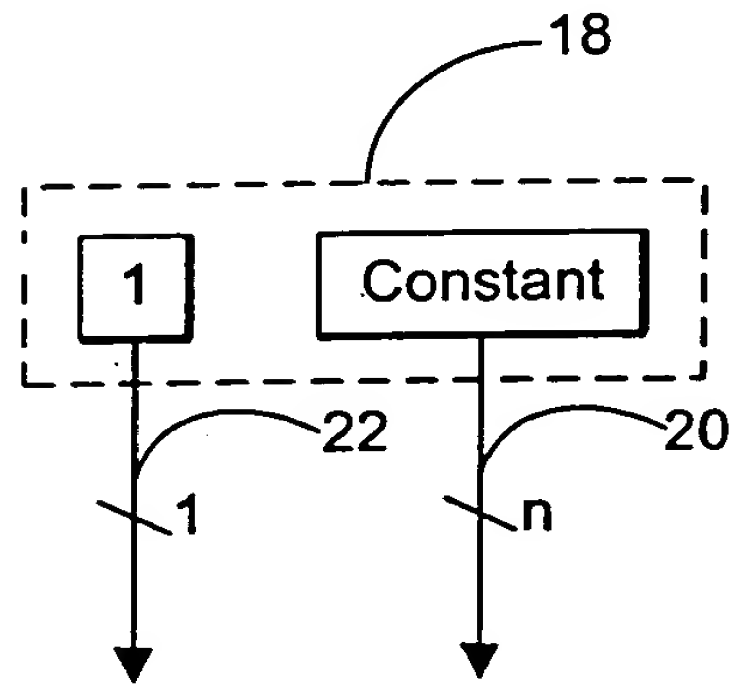


FIG. 5

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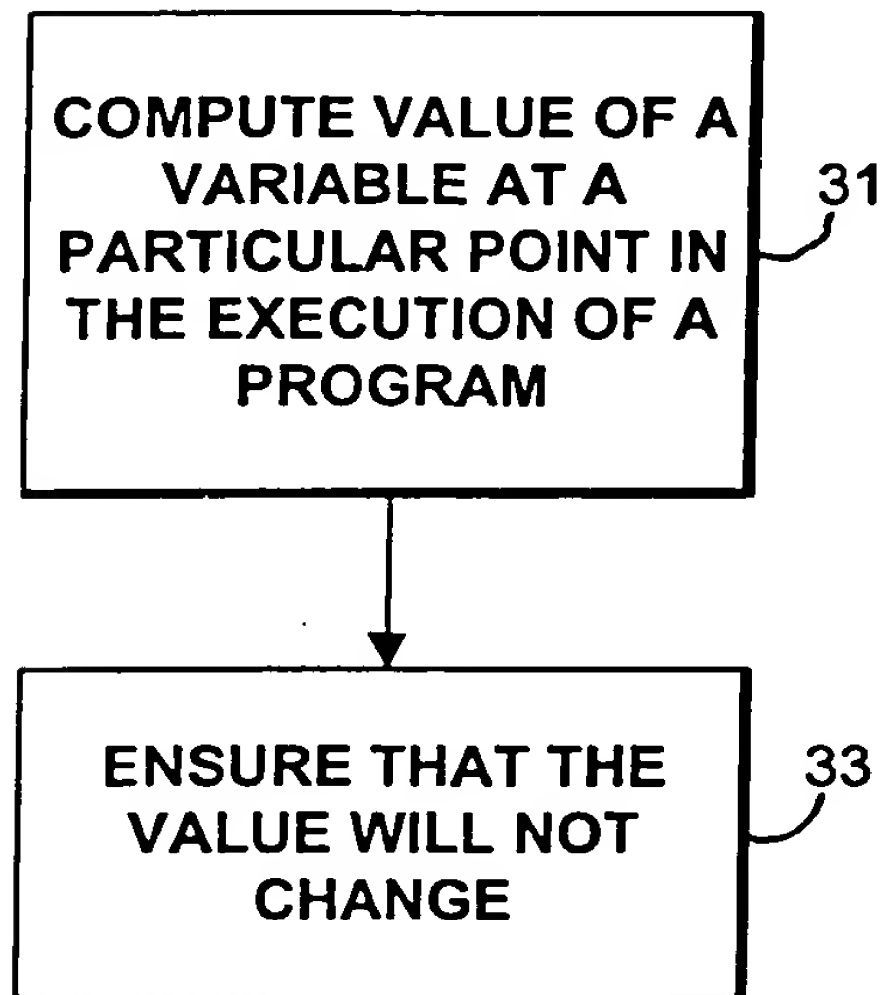


FIG. 6

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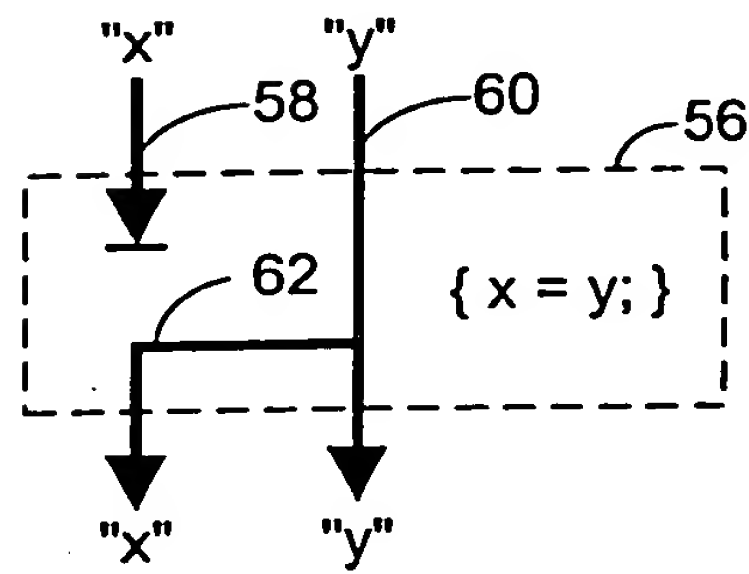


FIG. 7

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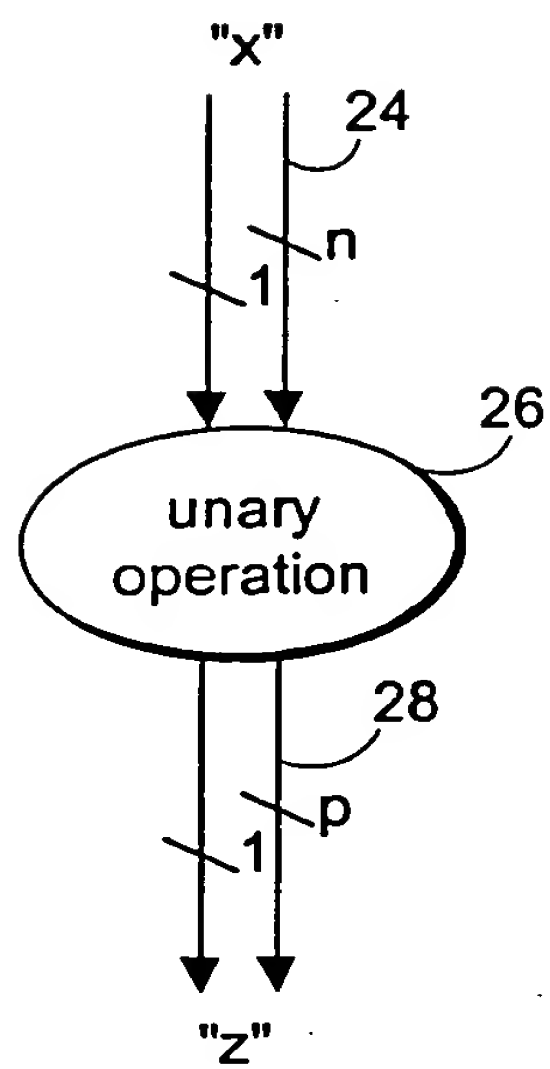


FIG. 8

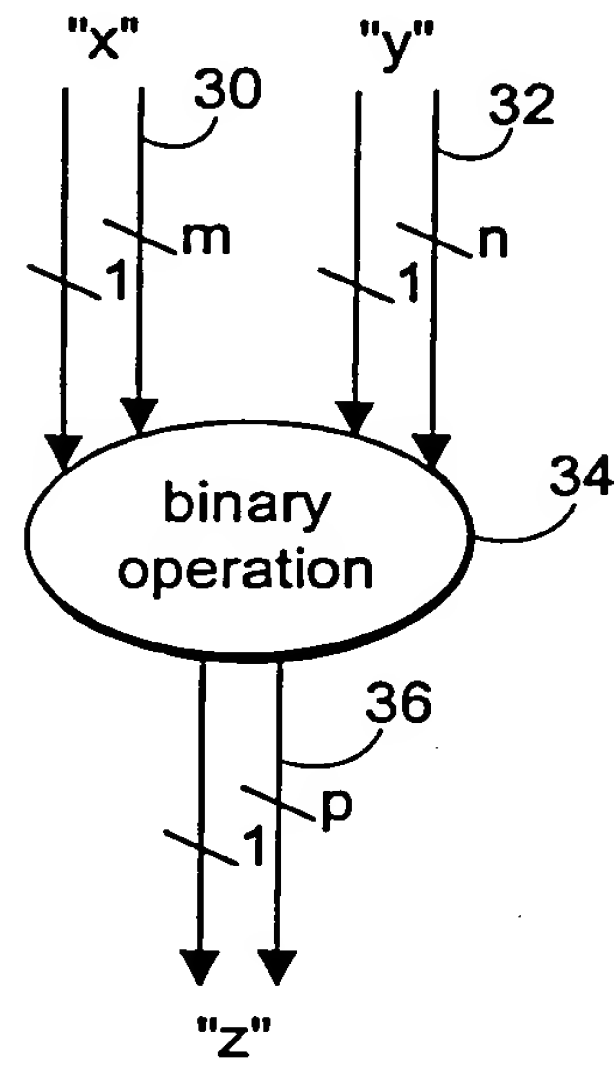


FIG. 9

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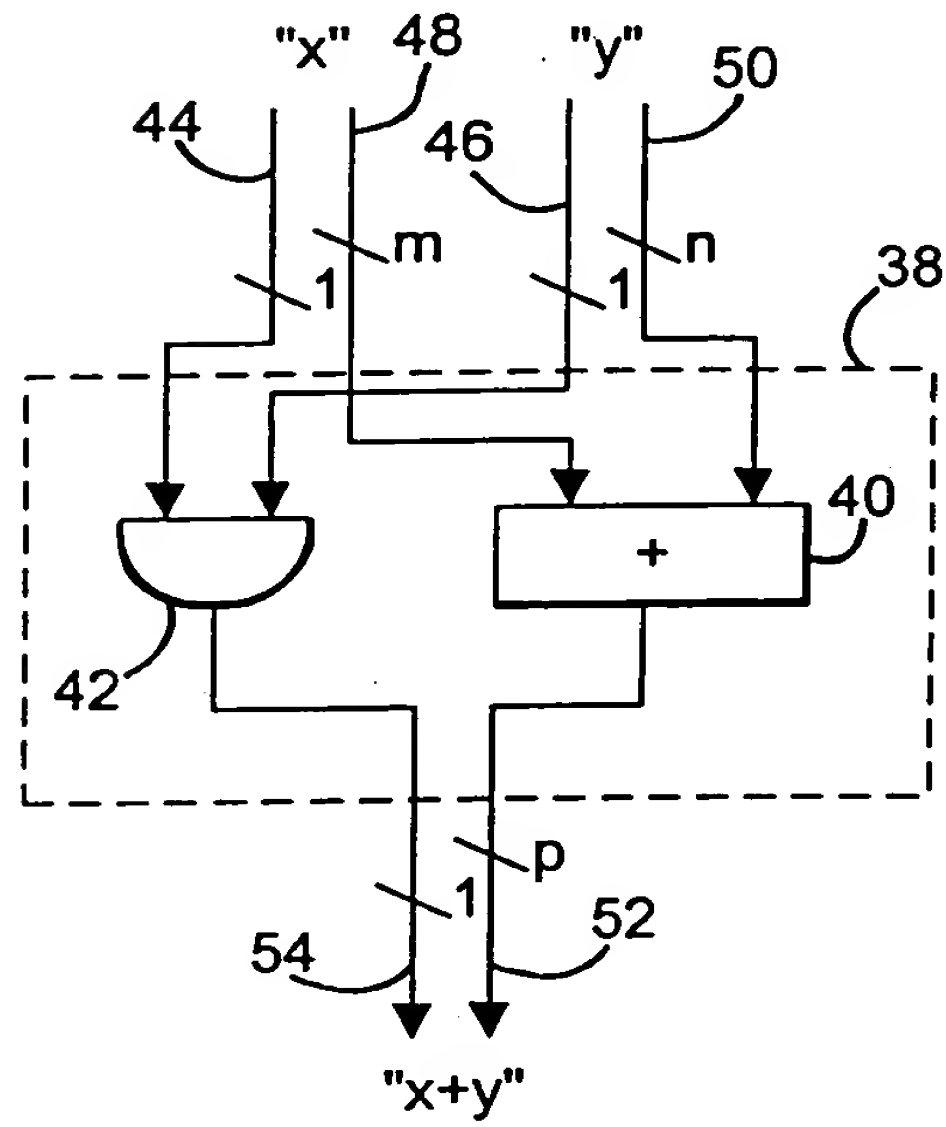


FIG. 10



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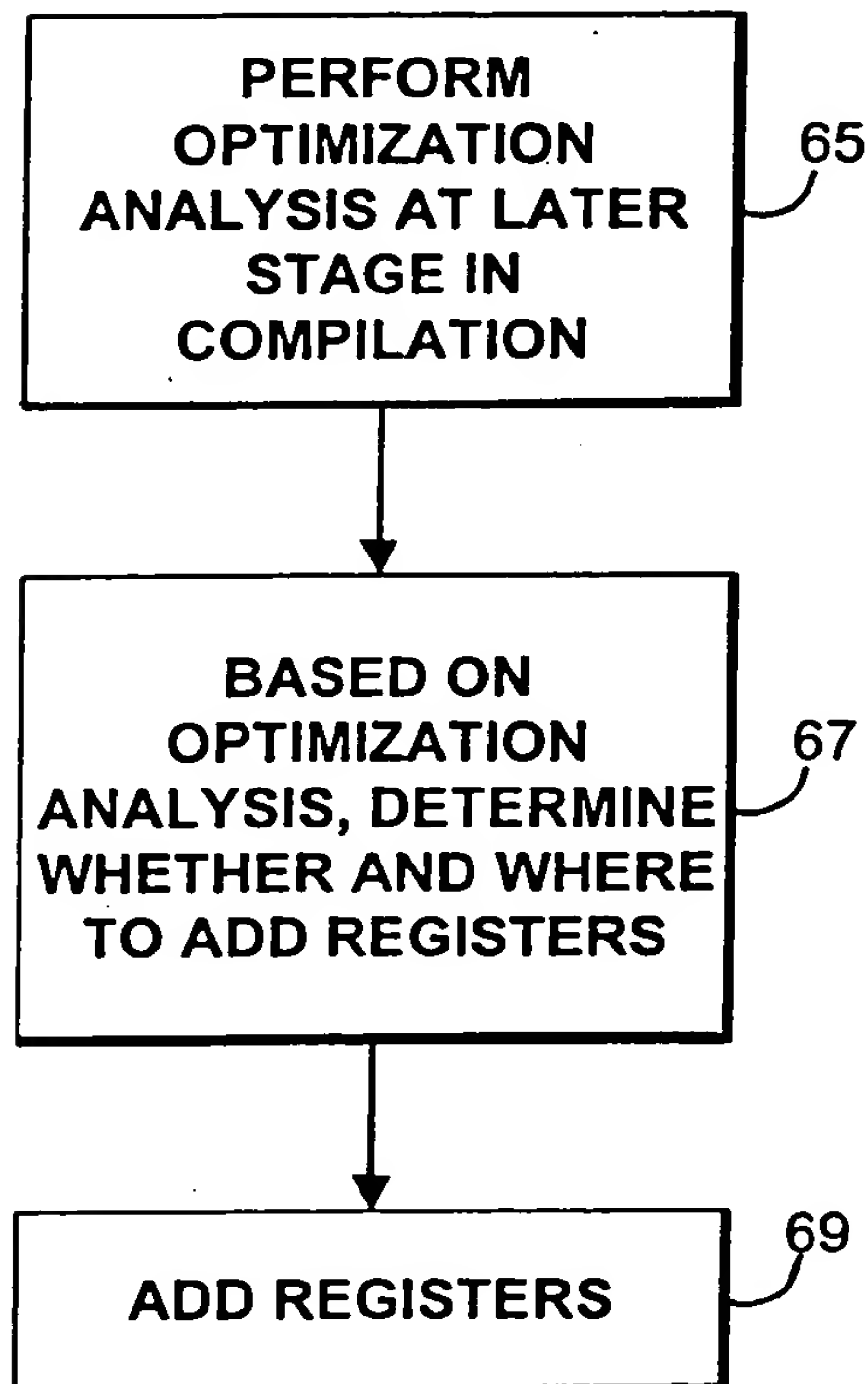


FIG. 11

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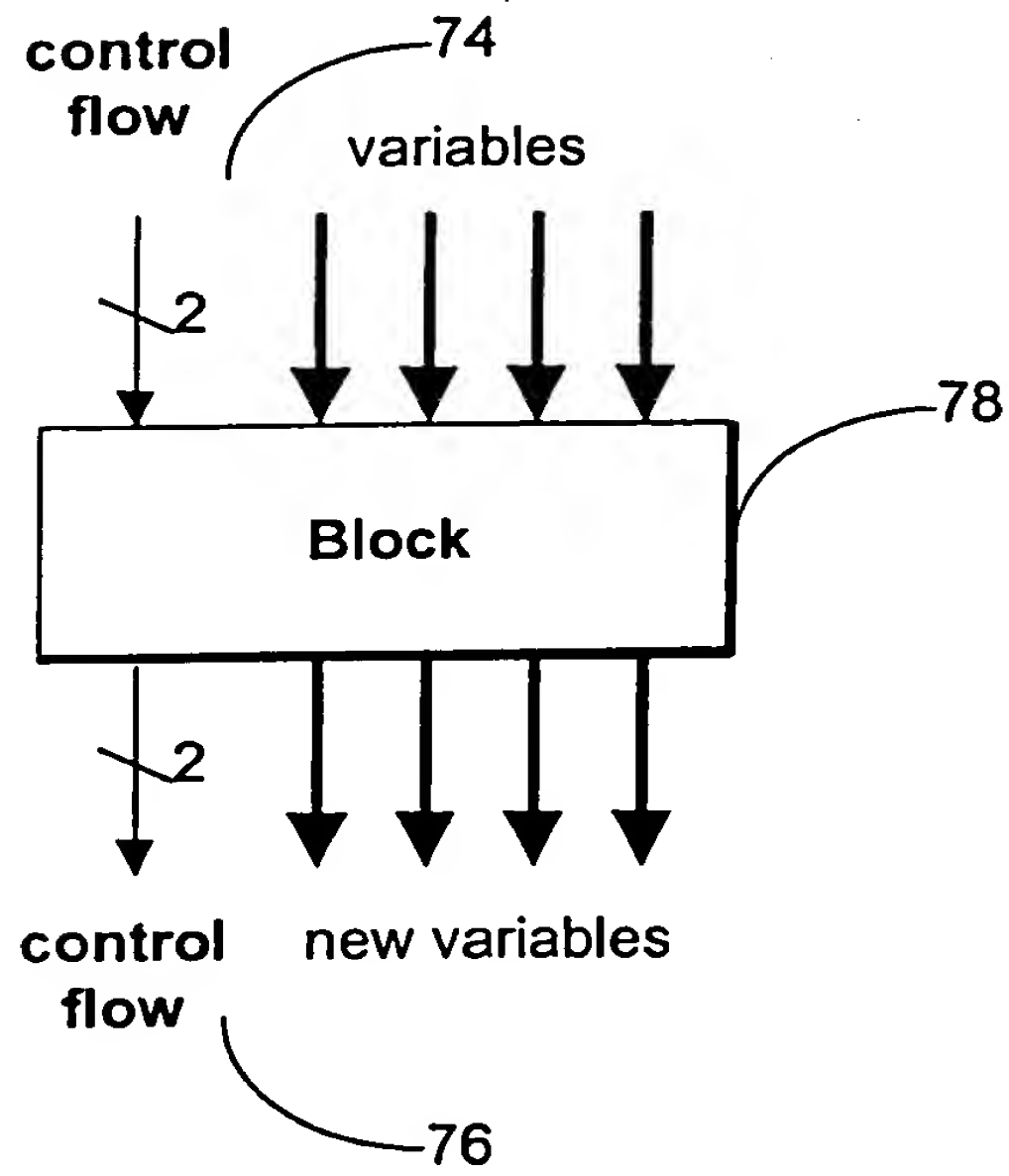


FIG. 12

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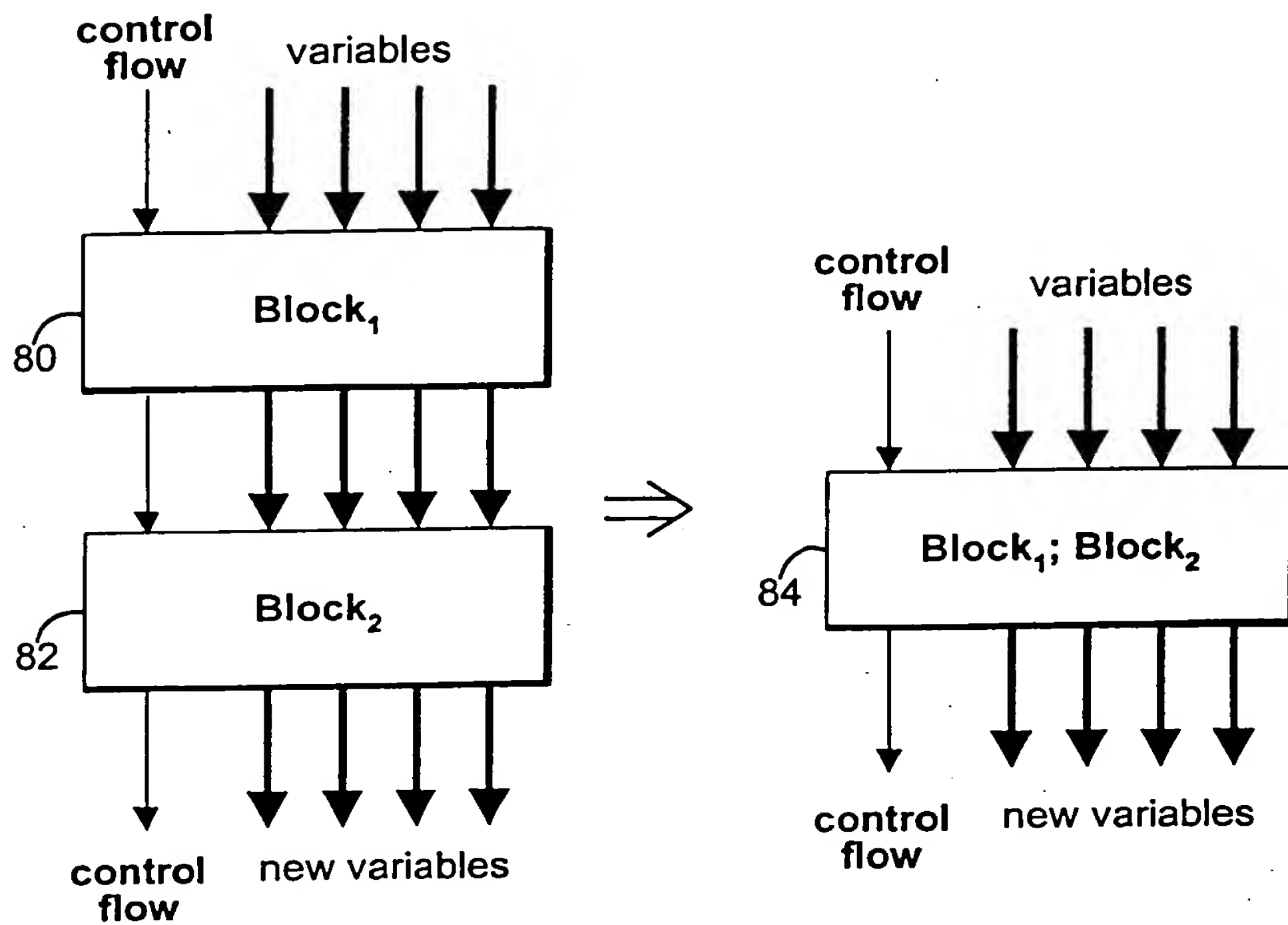


FIG. 13

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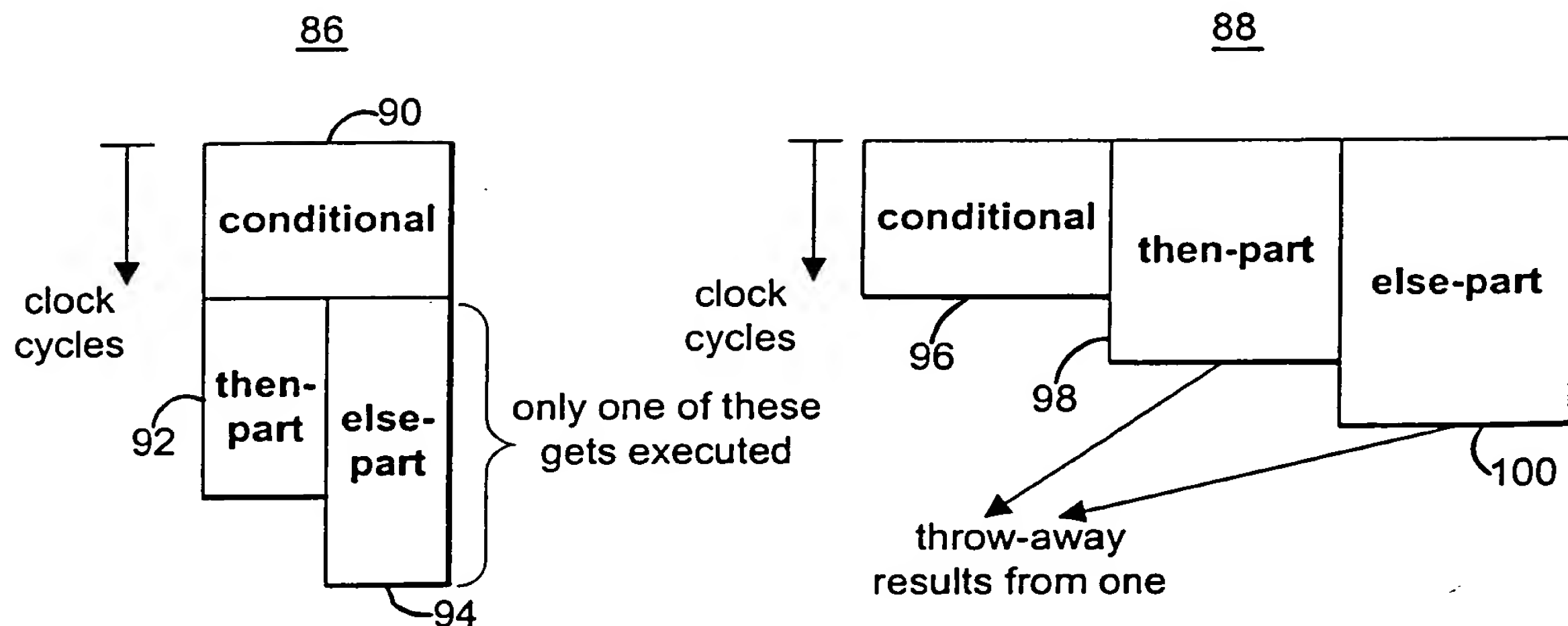


FIG. 14

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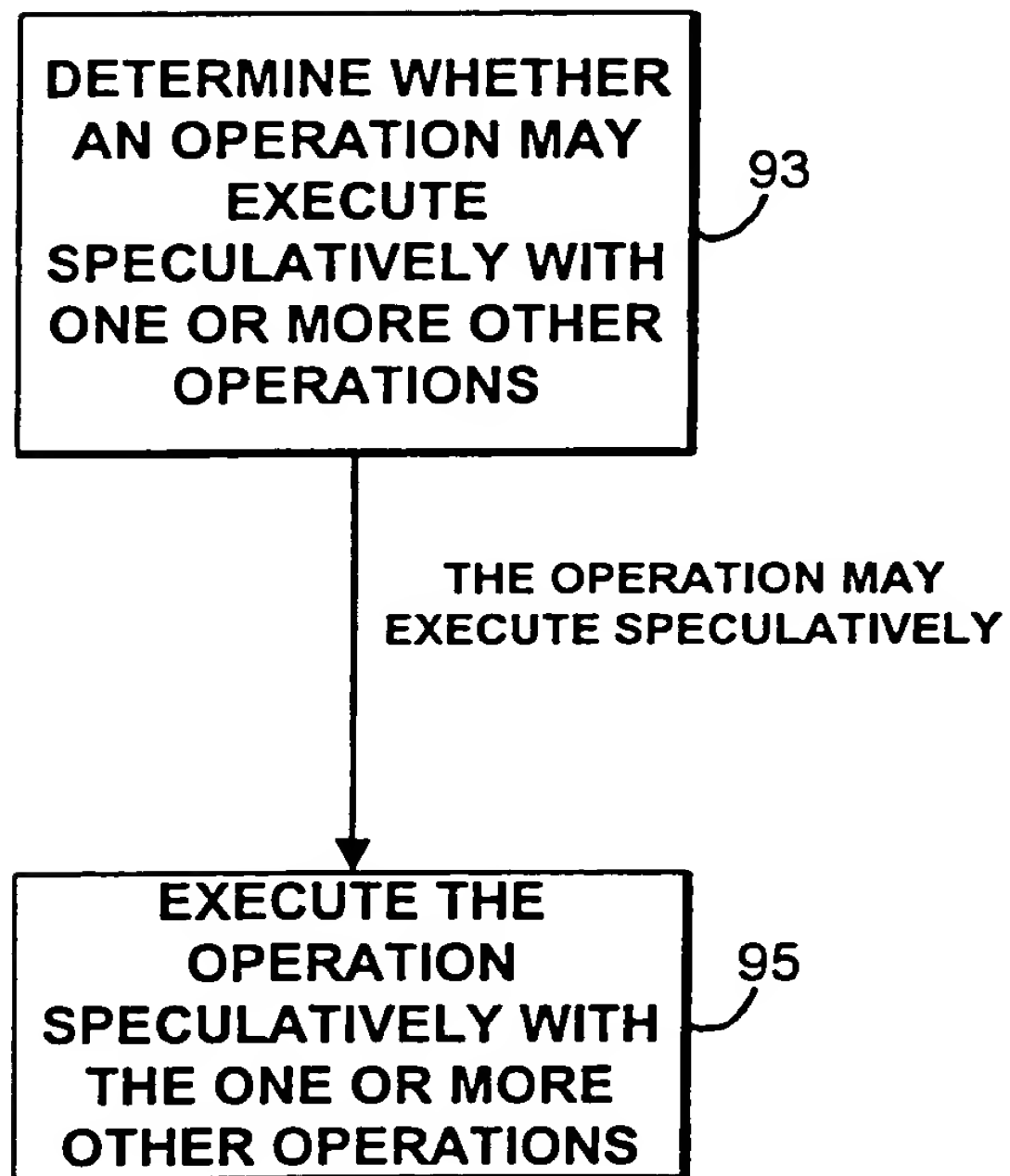


FIG. 15

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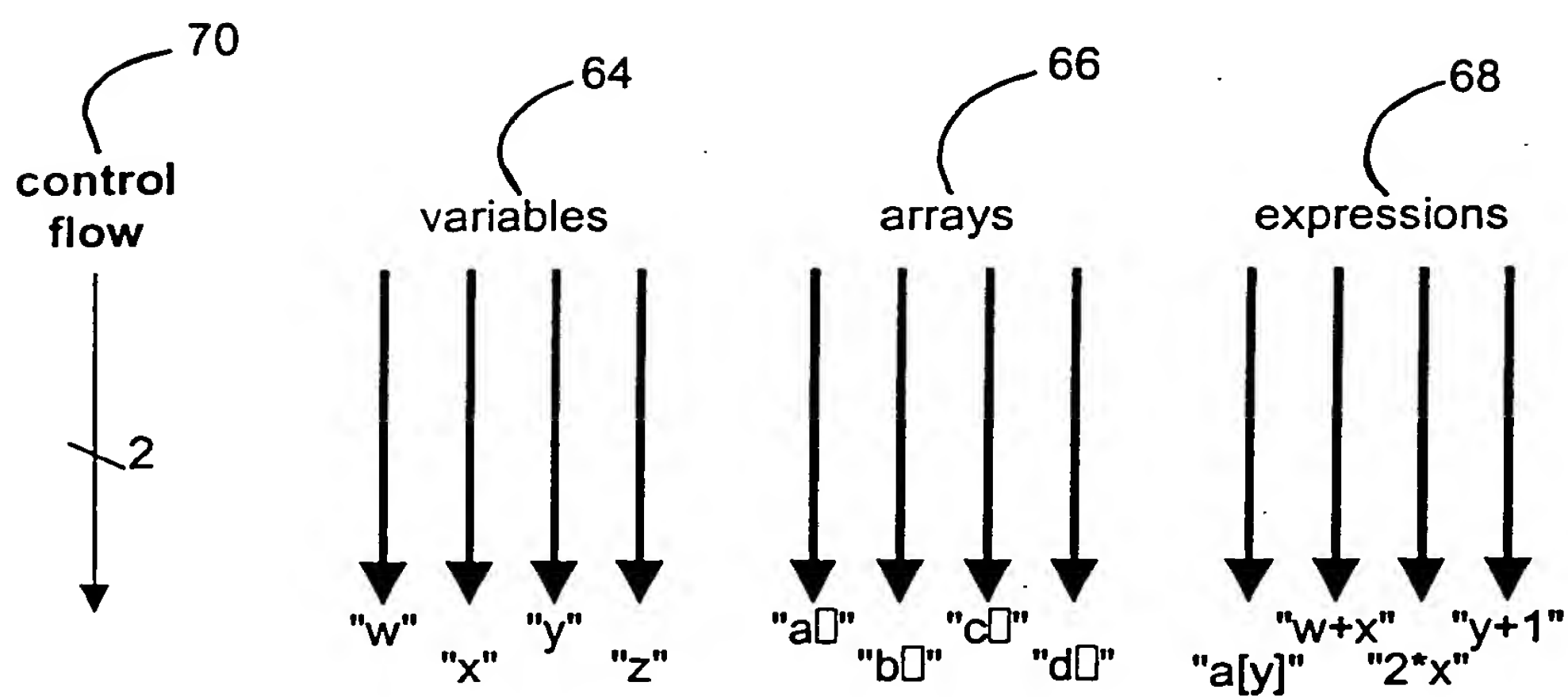


FIG. 16

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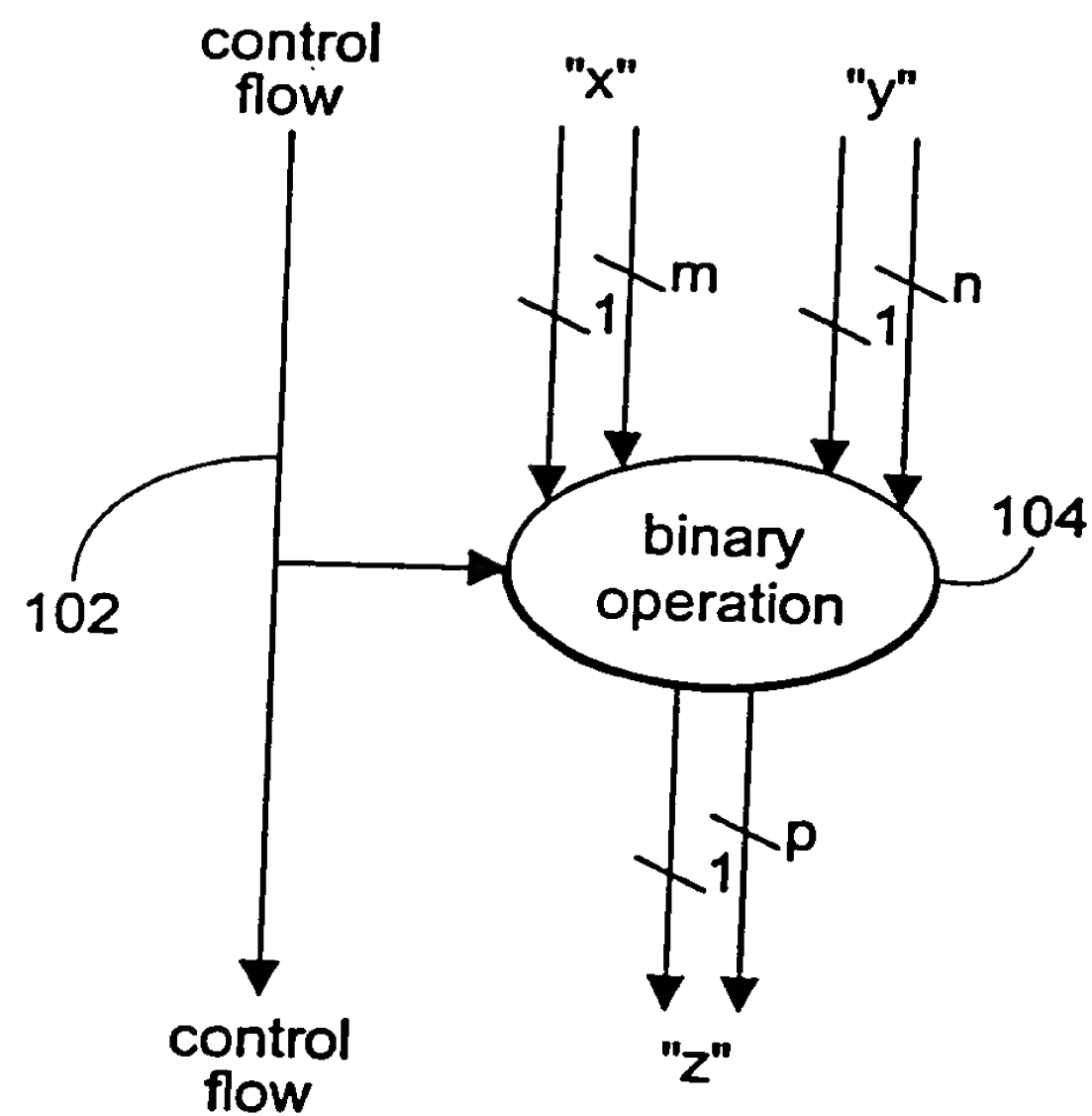


FIG. 17

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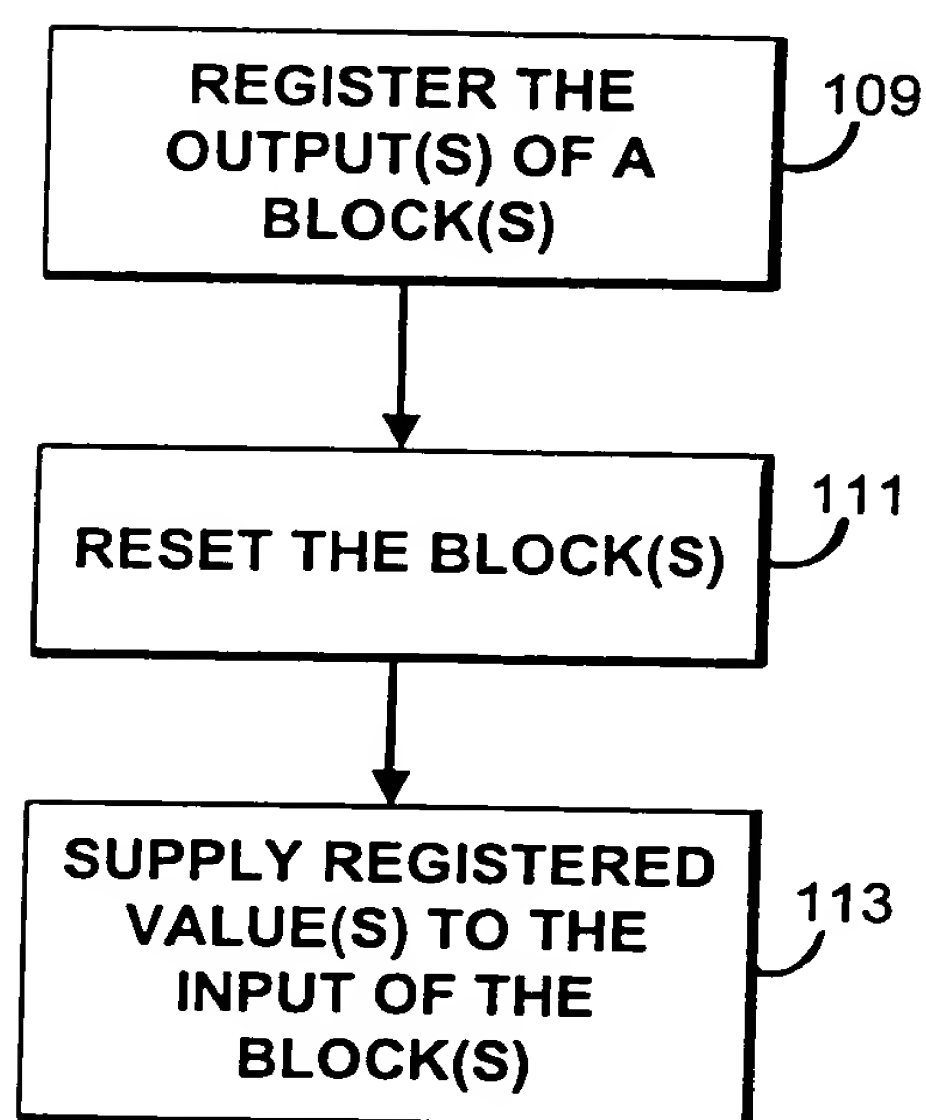


FIG. 18



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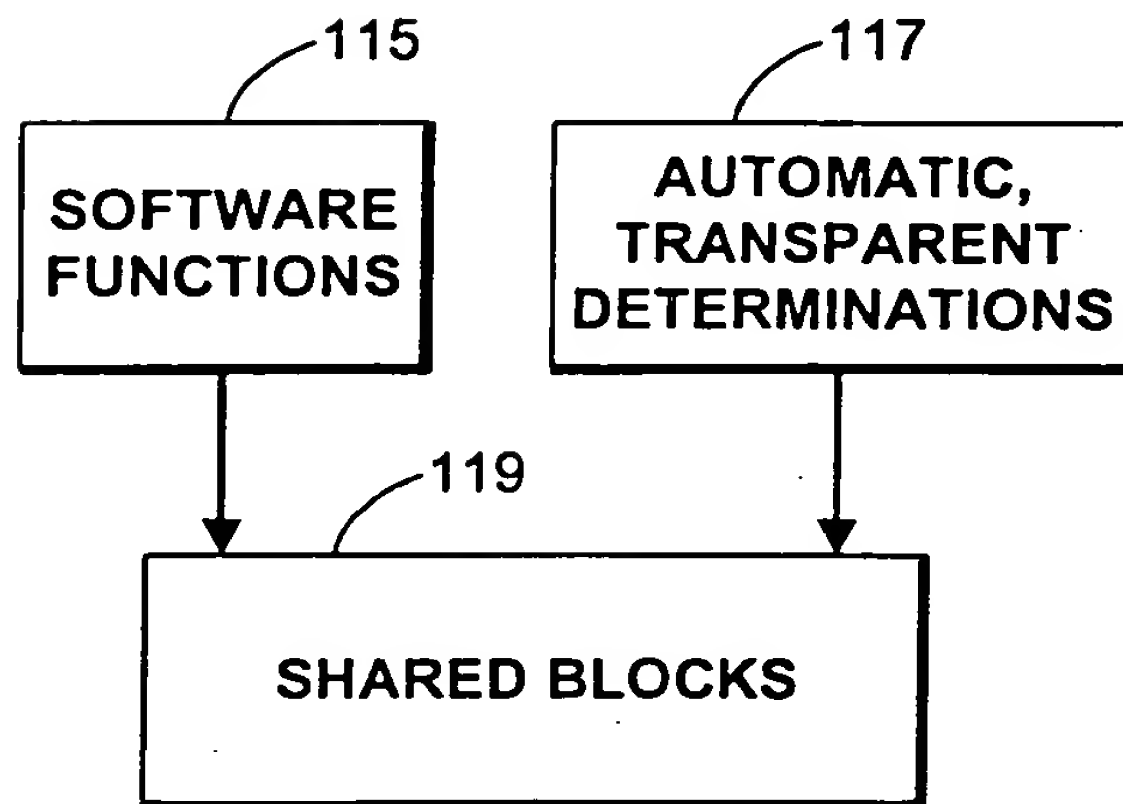


FIG. 19

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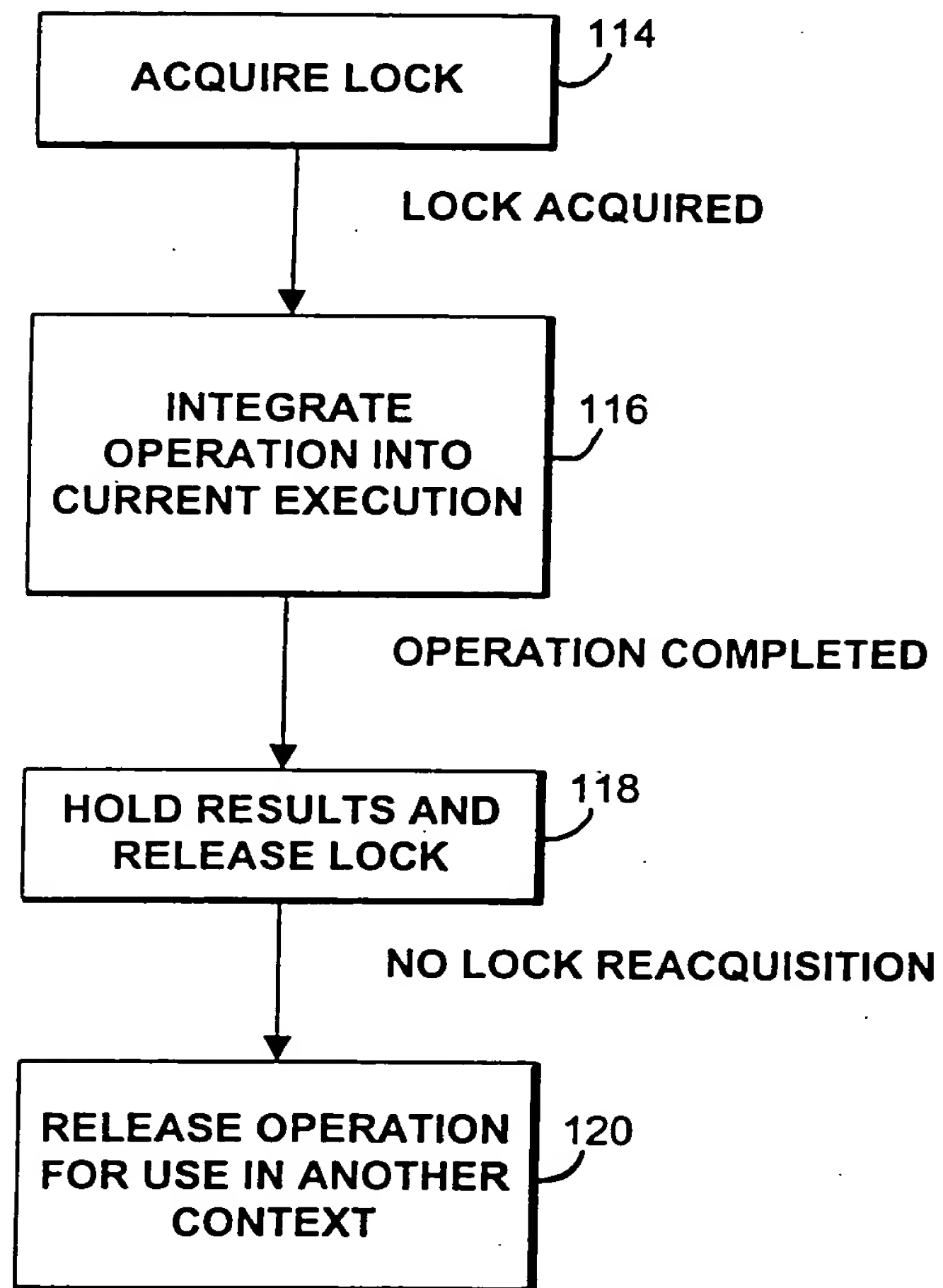


FIG. 20

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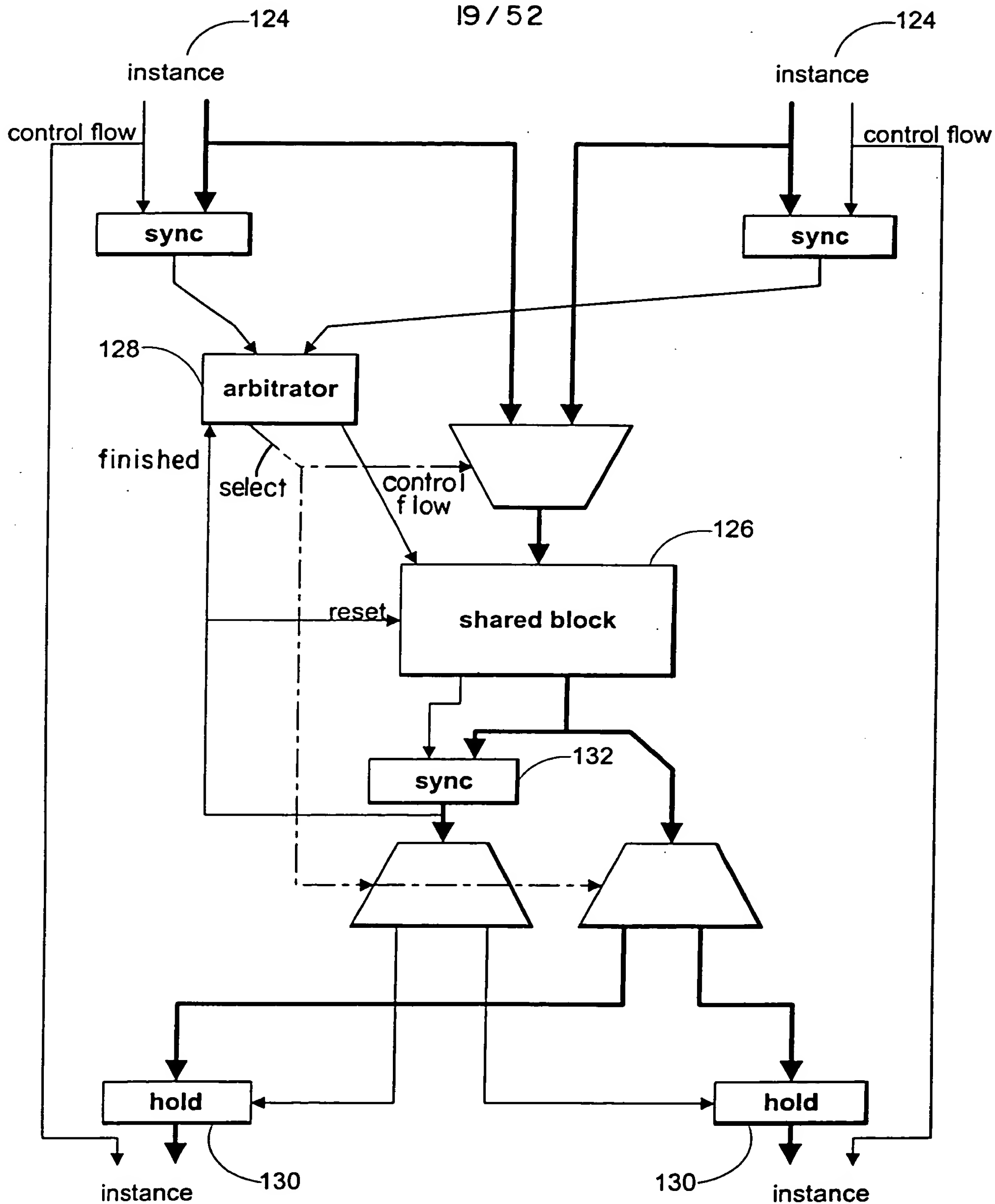
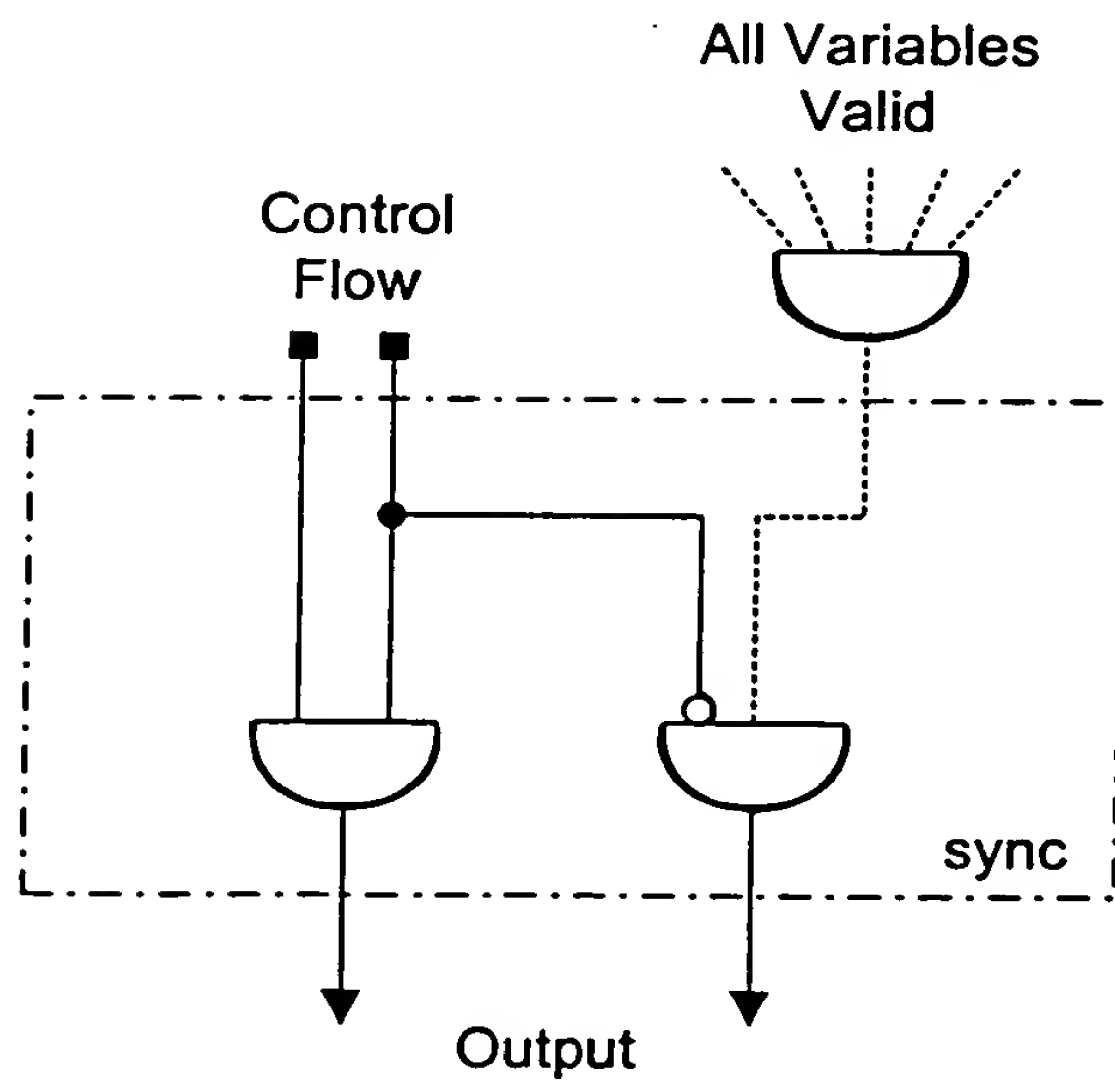


FIG. 21

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NotReady	00
SpeculateReady	01
CommitReady	11

FIG. 22

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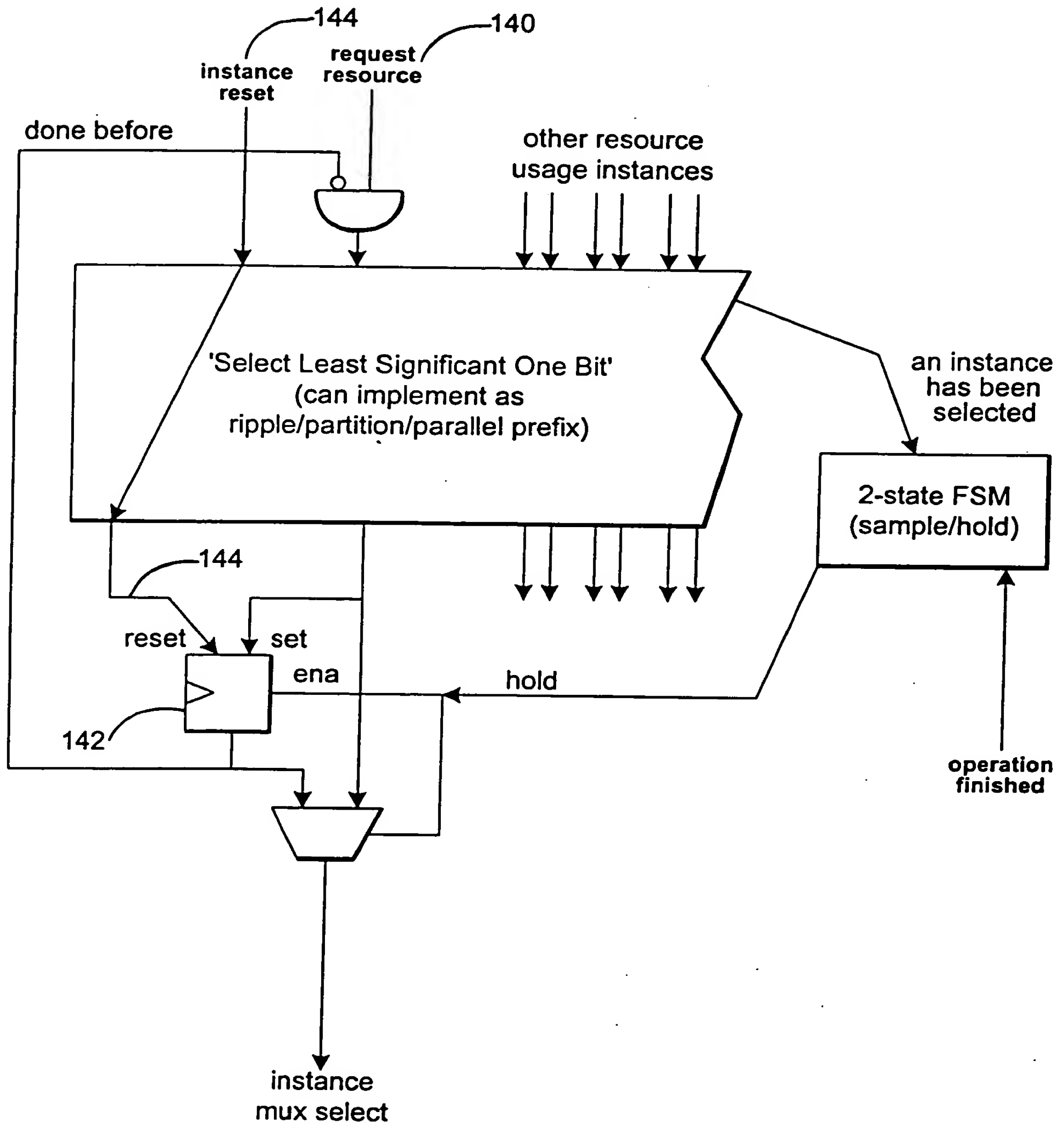


FIG. 23

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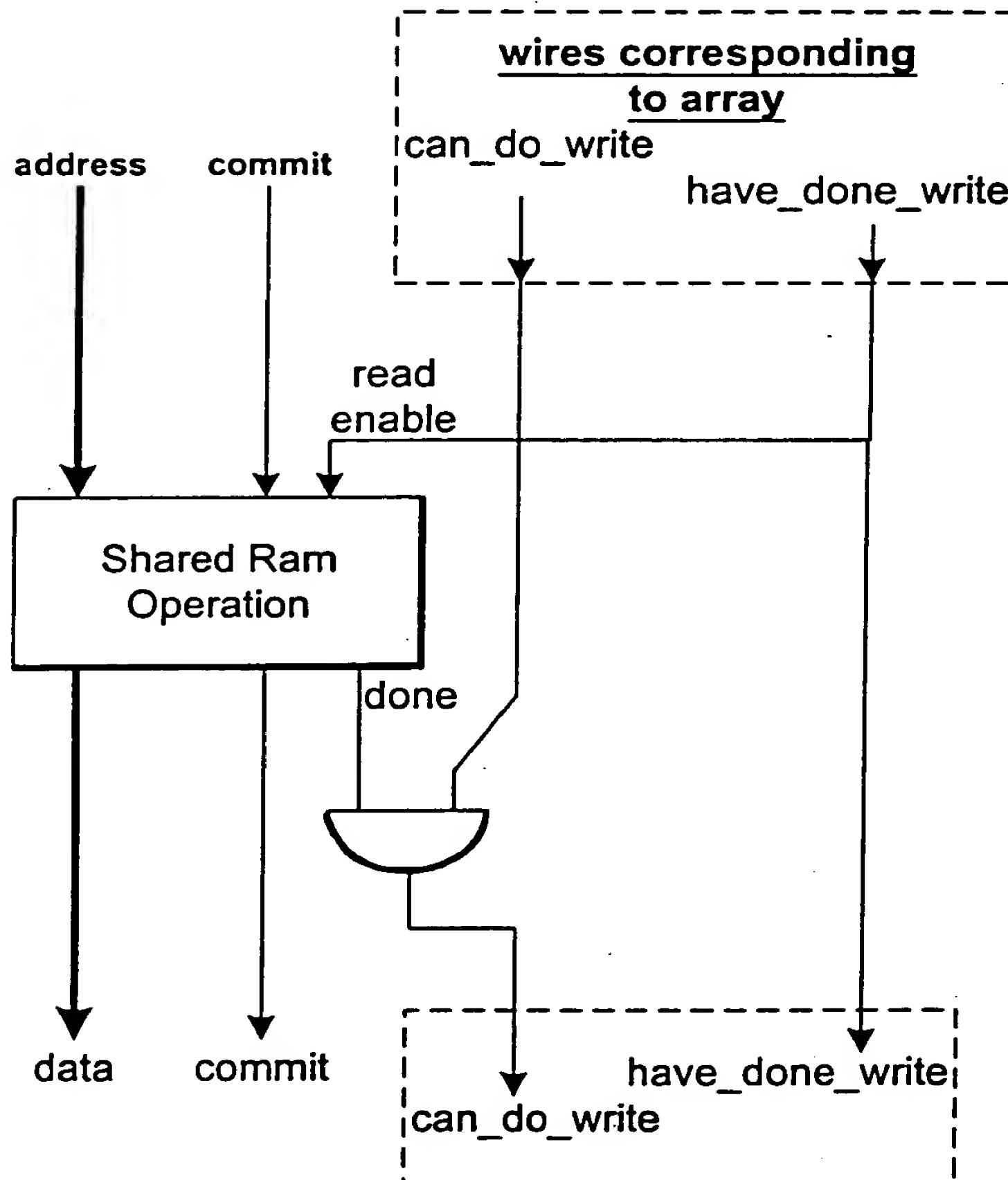


FIG. 24

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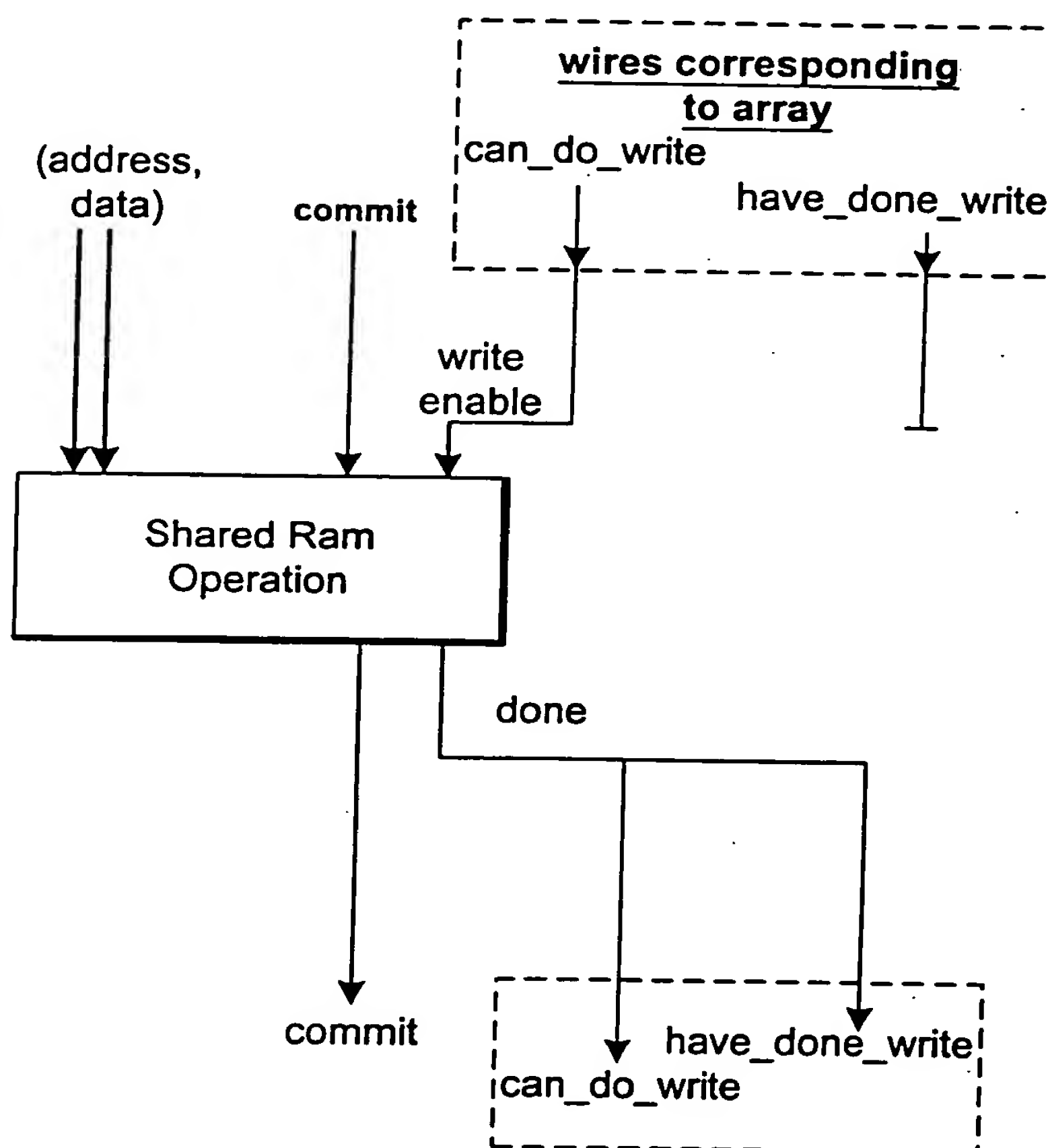


FIG. 25

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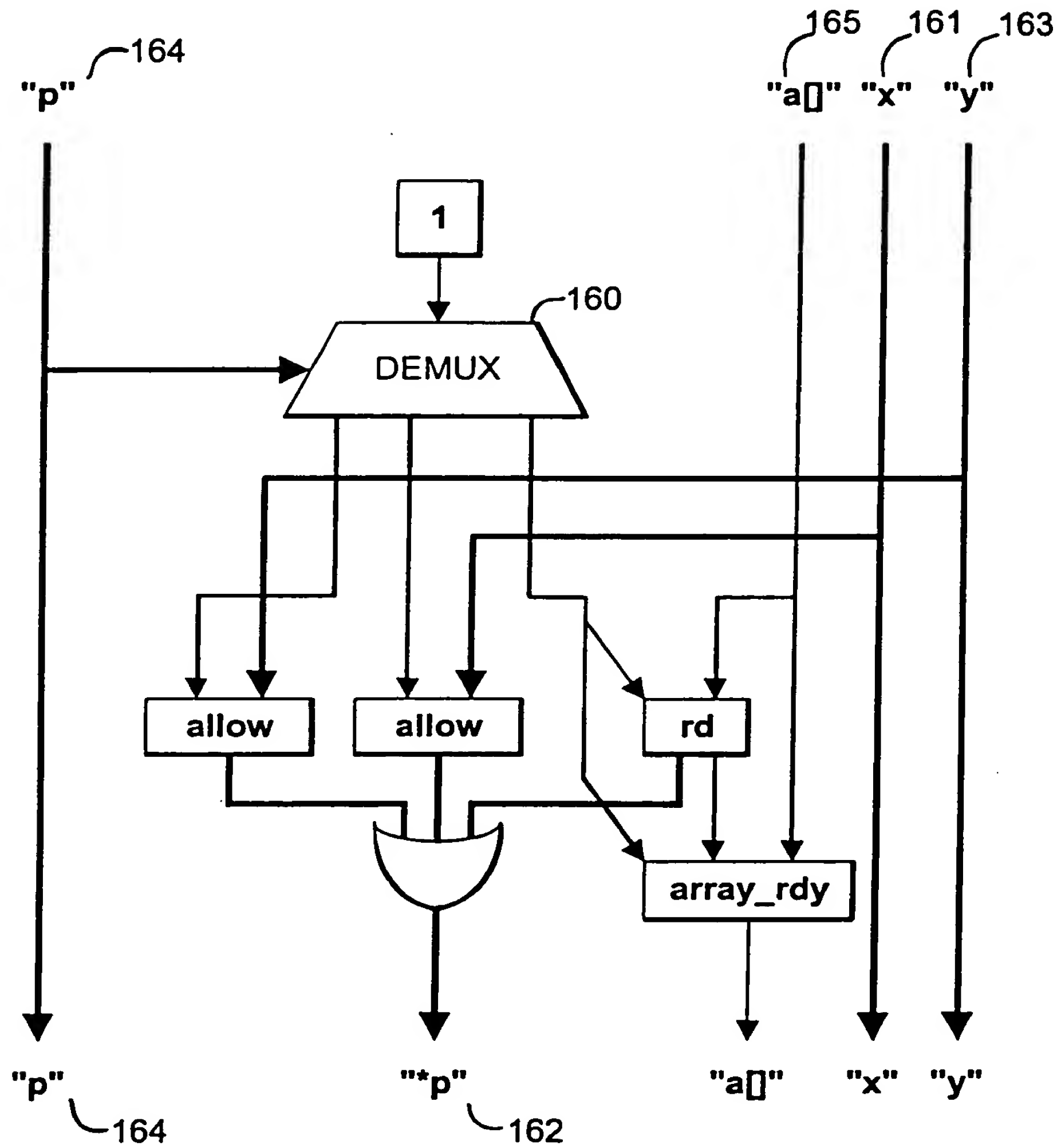


FIG. 26



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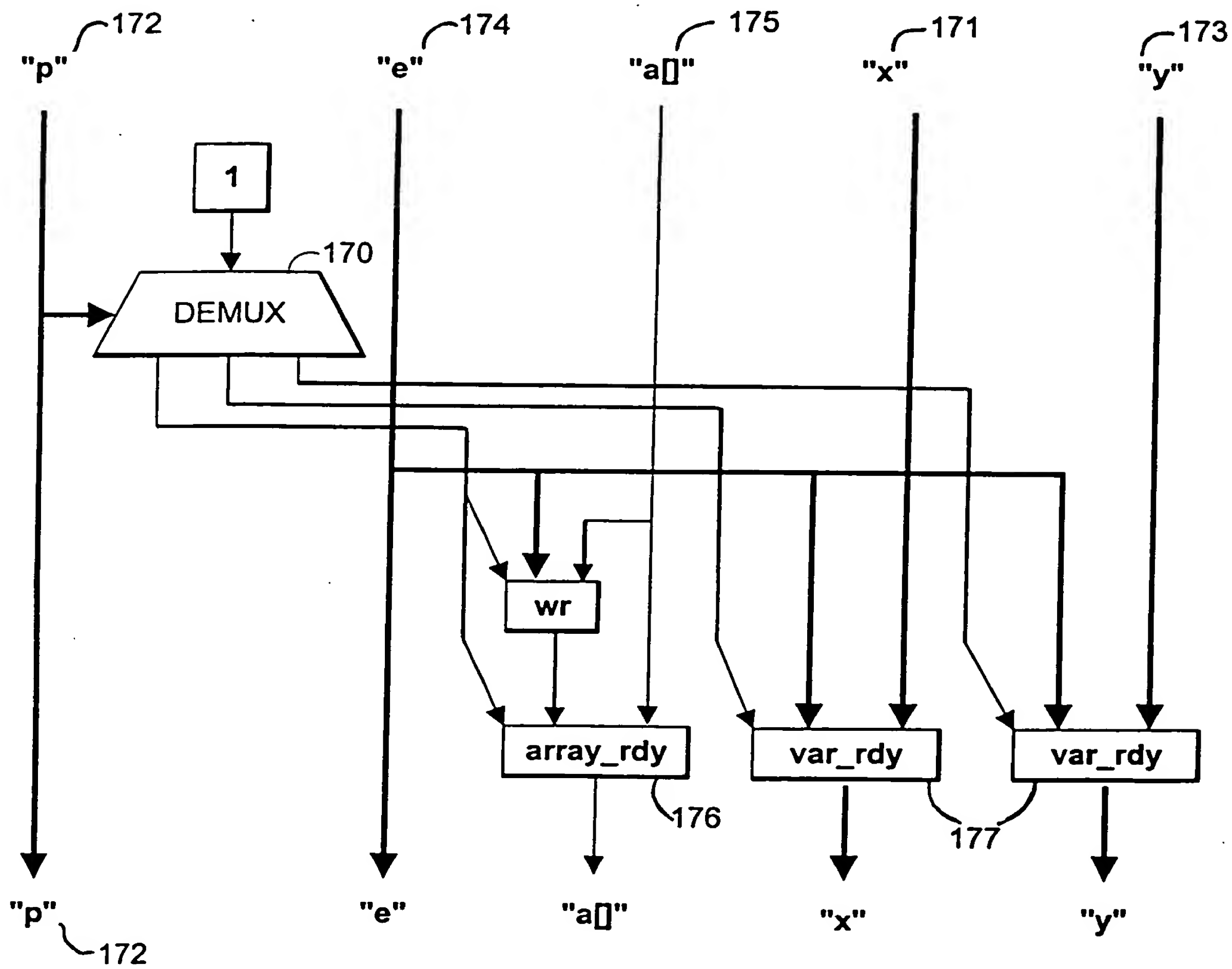


FIG. 27

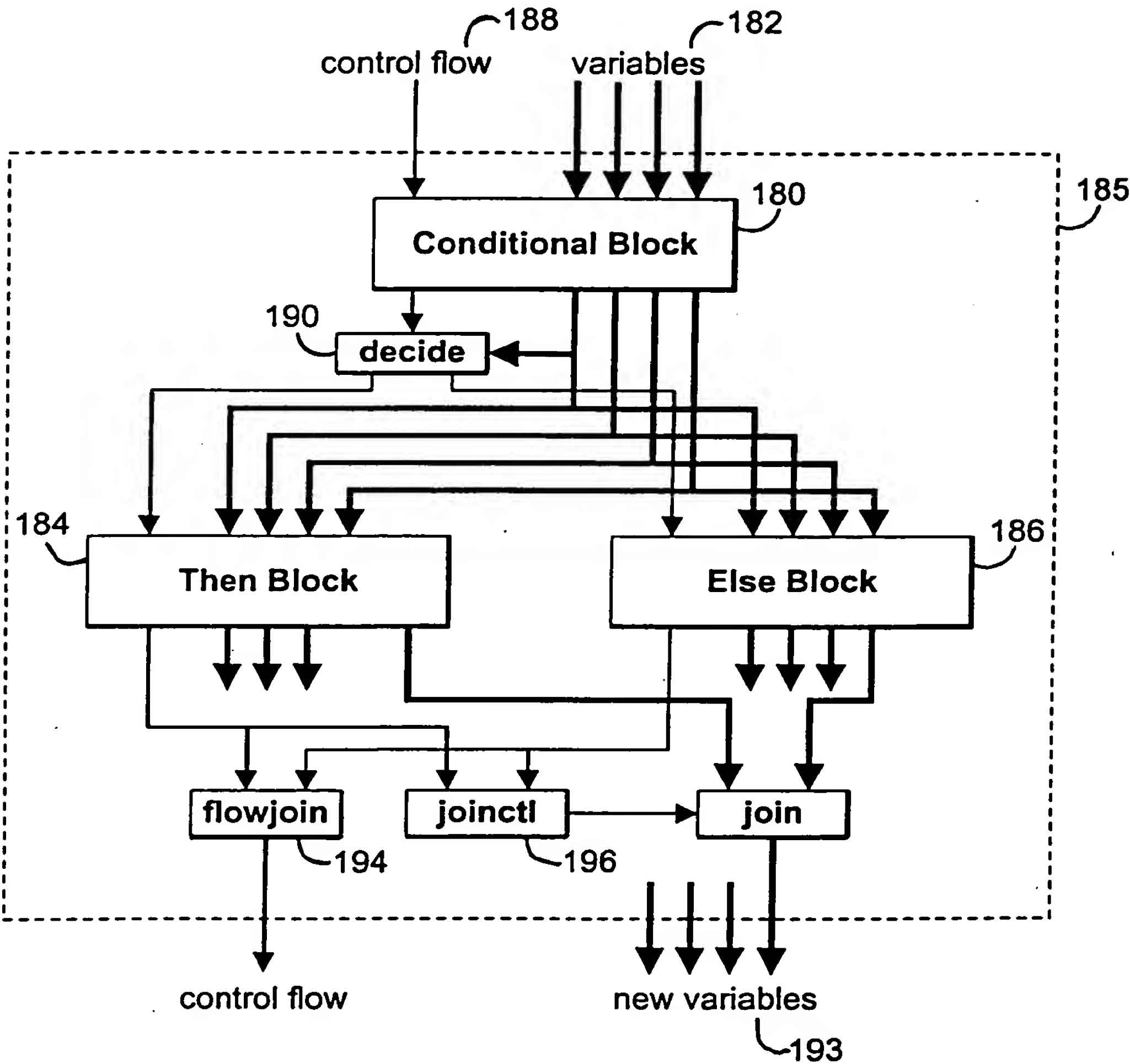


FIG. 28

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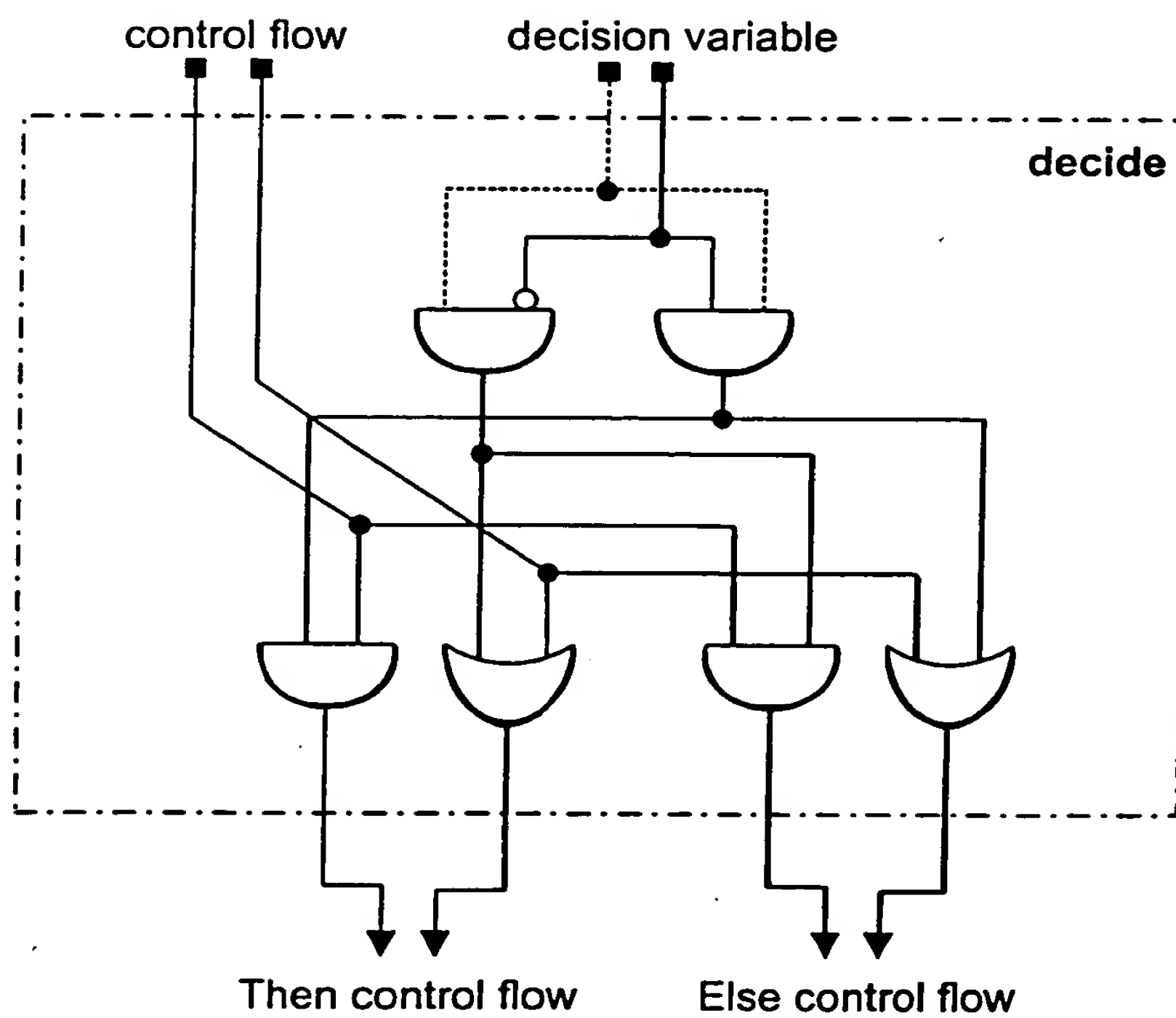


FIG. 29

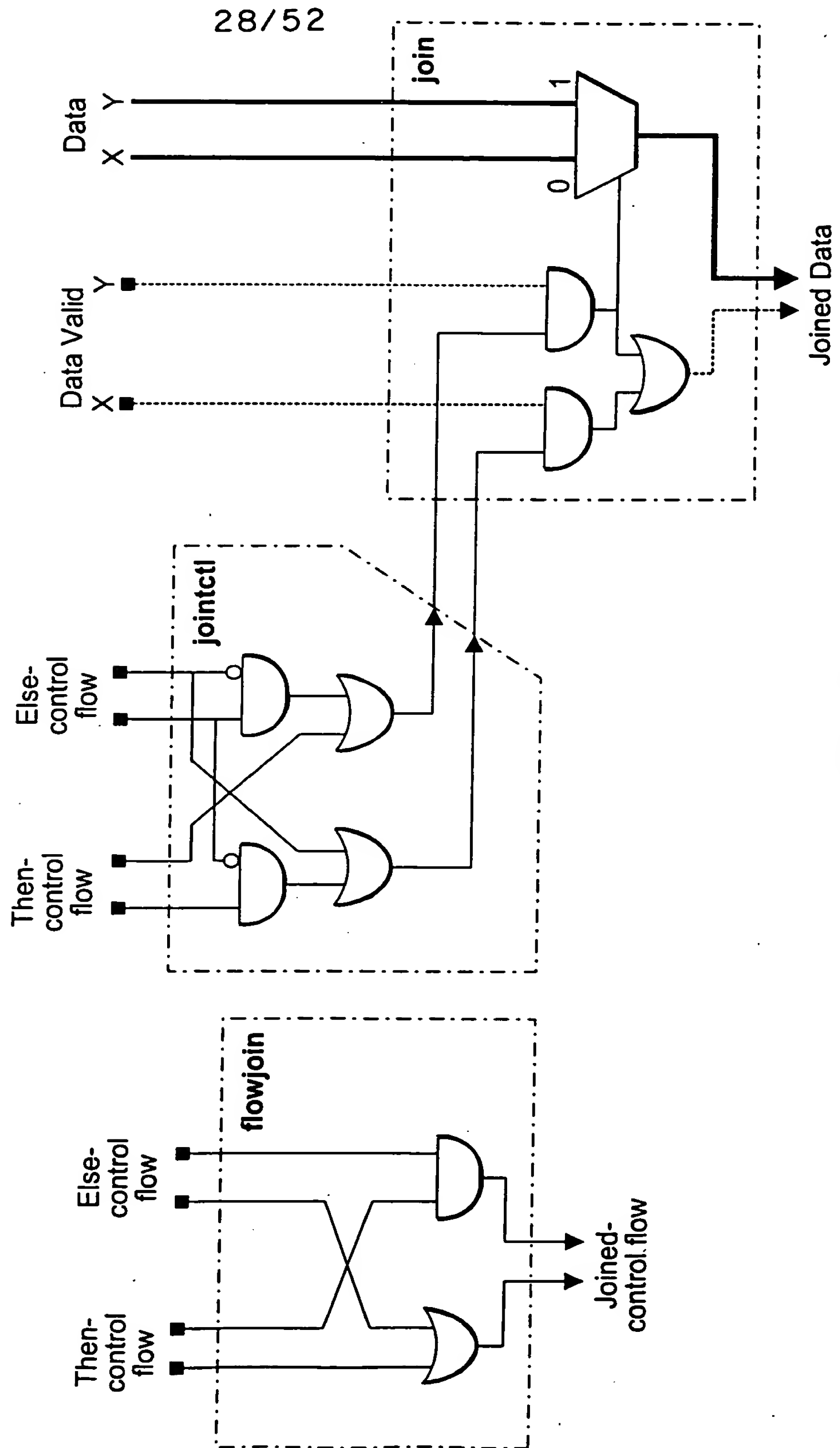


FIG. 30

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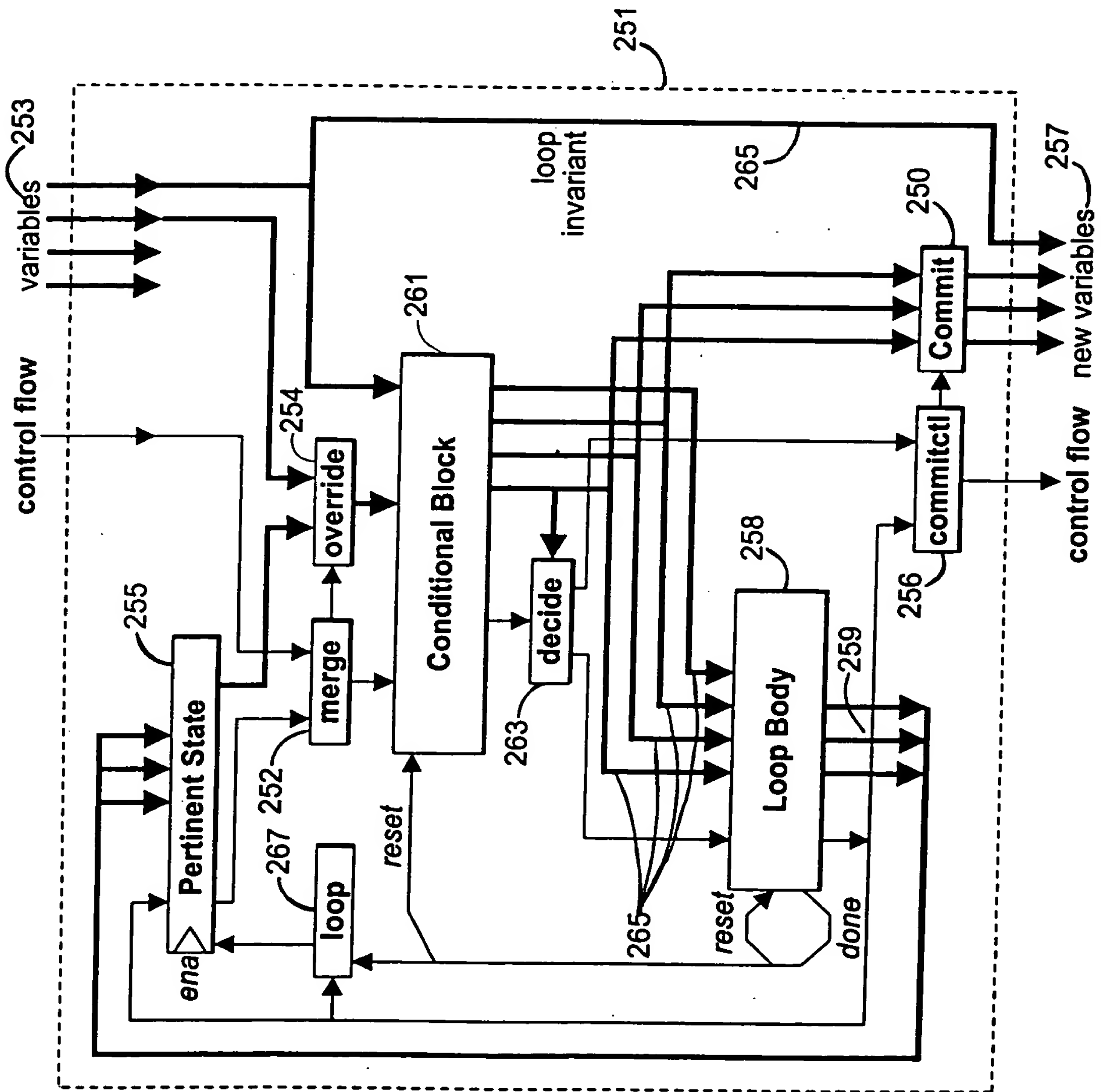


FIG. 31

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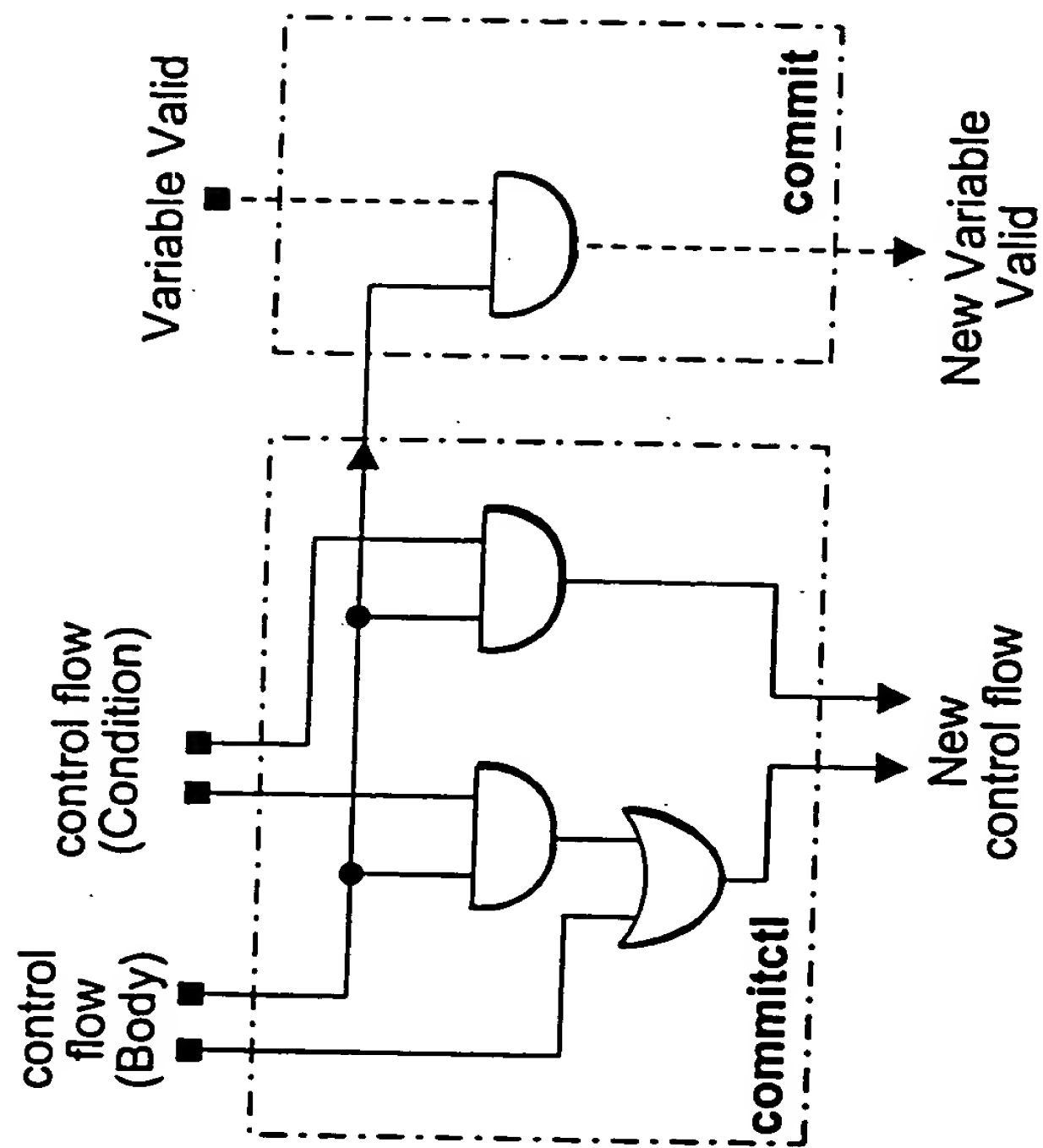


FIG. 32

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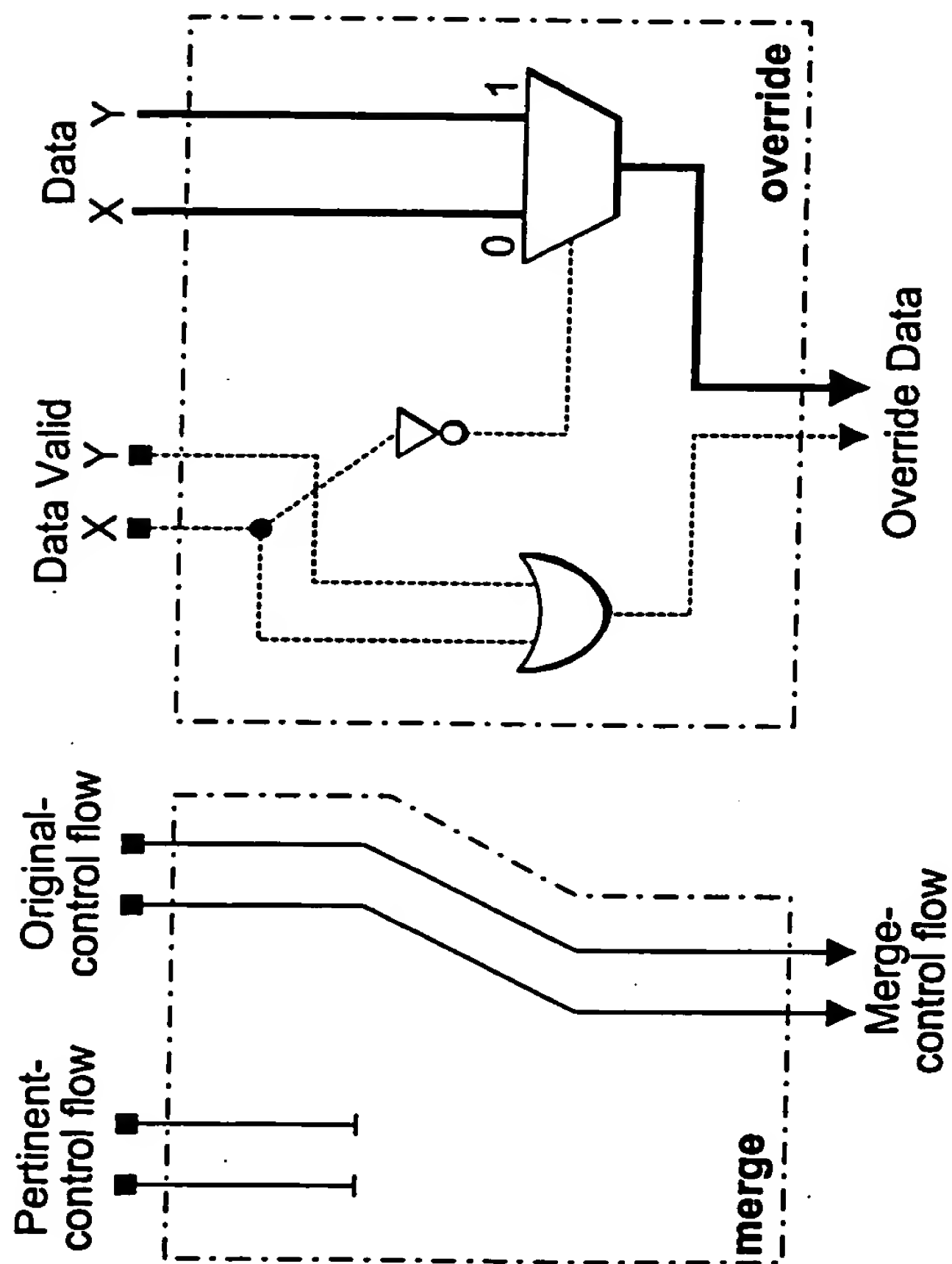


FIG. 33

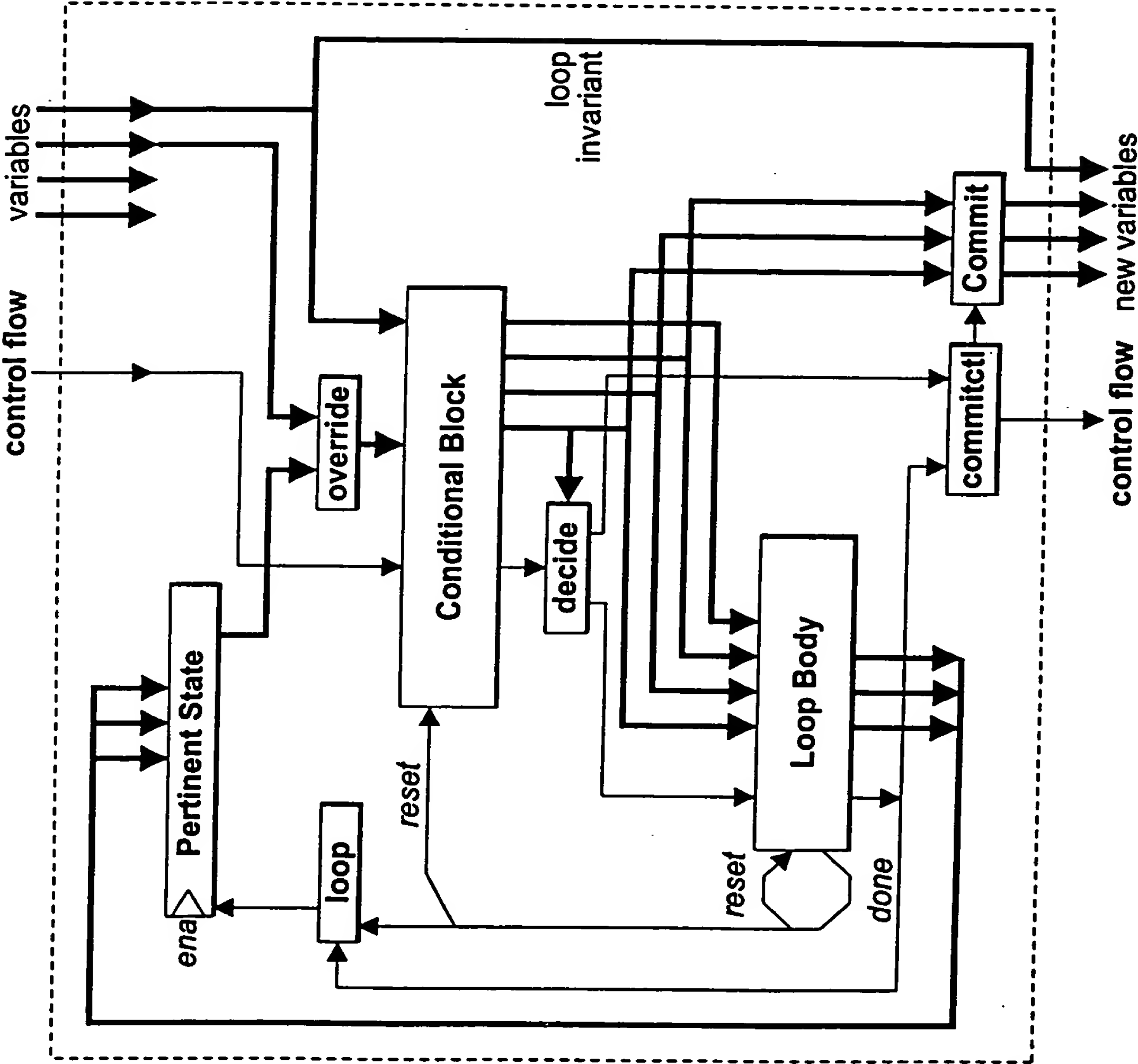


FIG. 34



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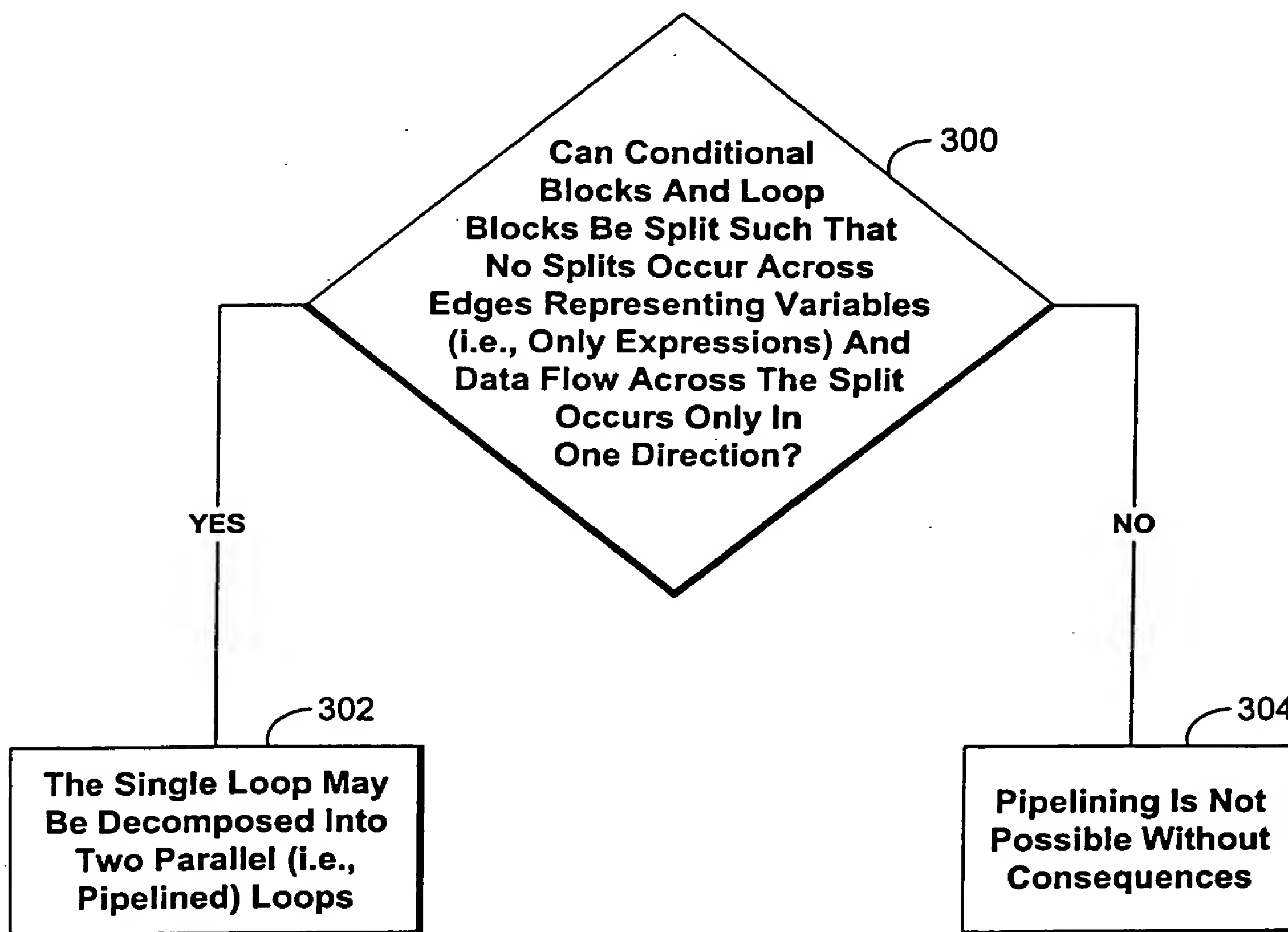


FIG. 35

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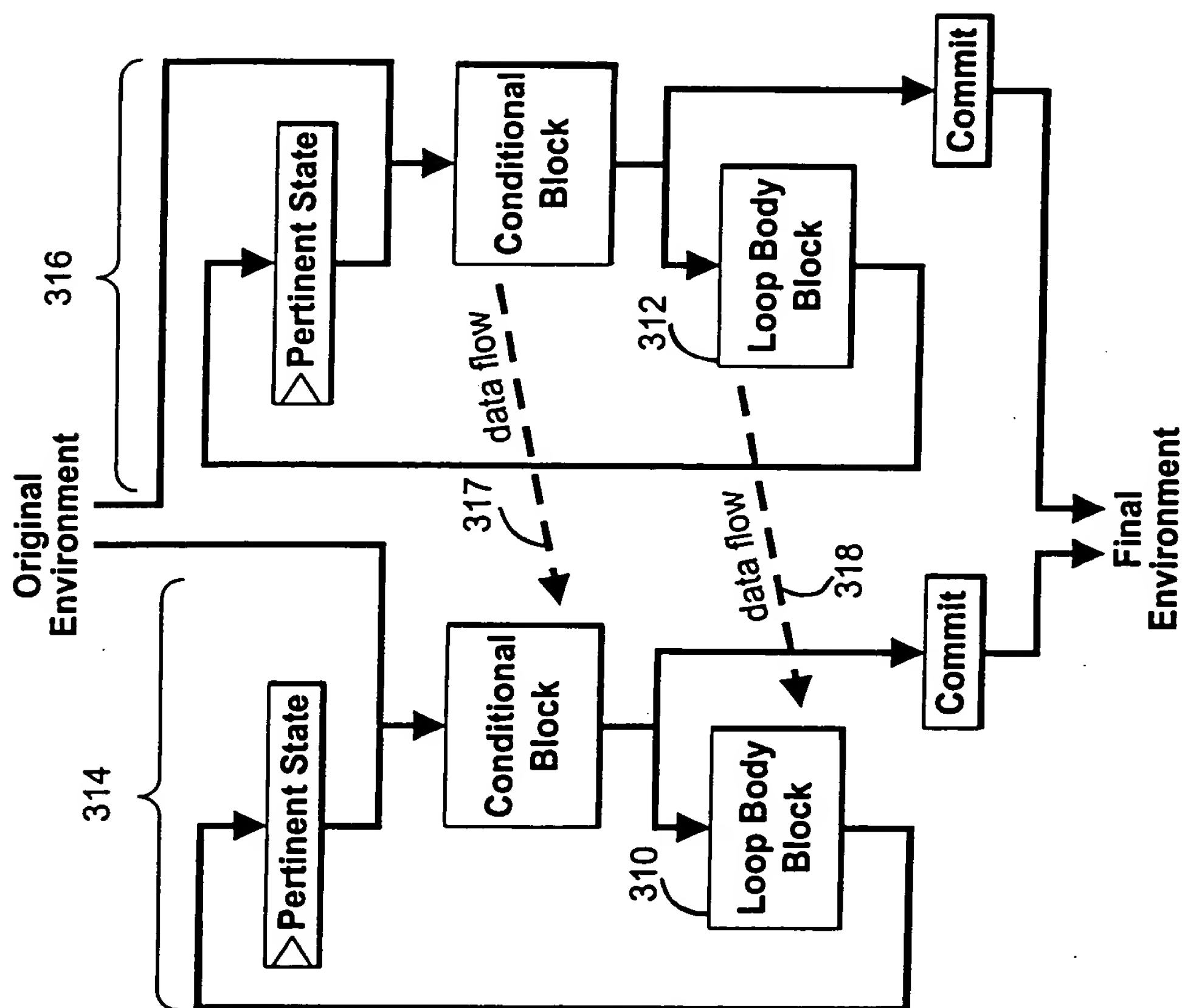


FIG. 36

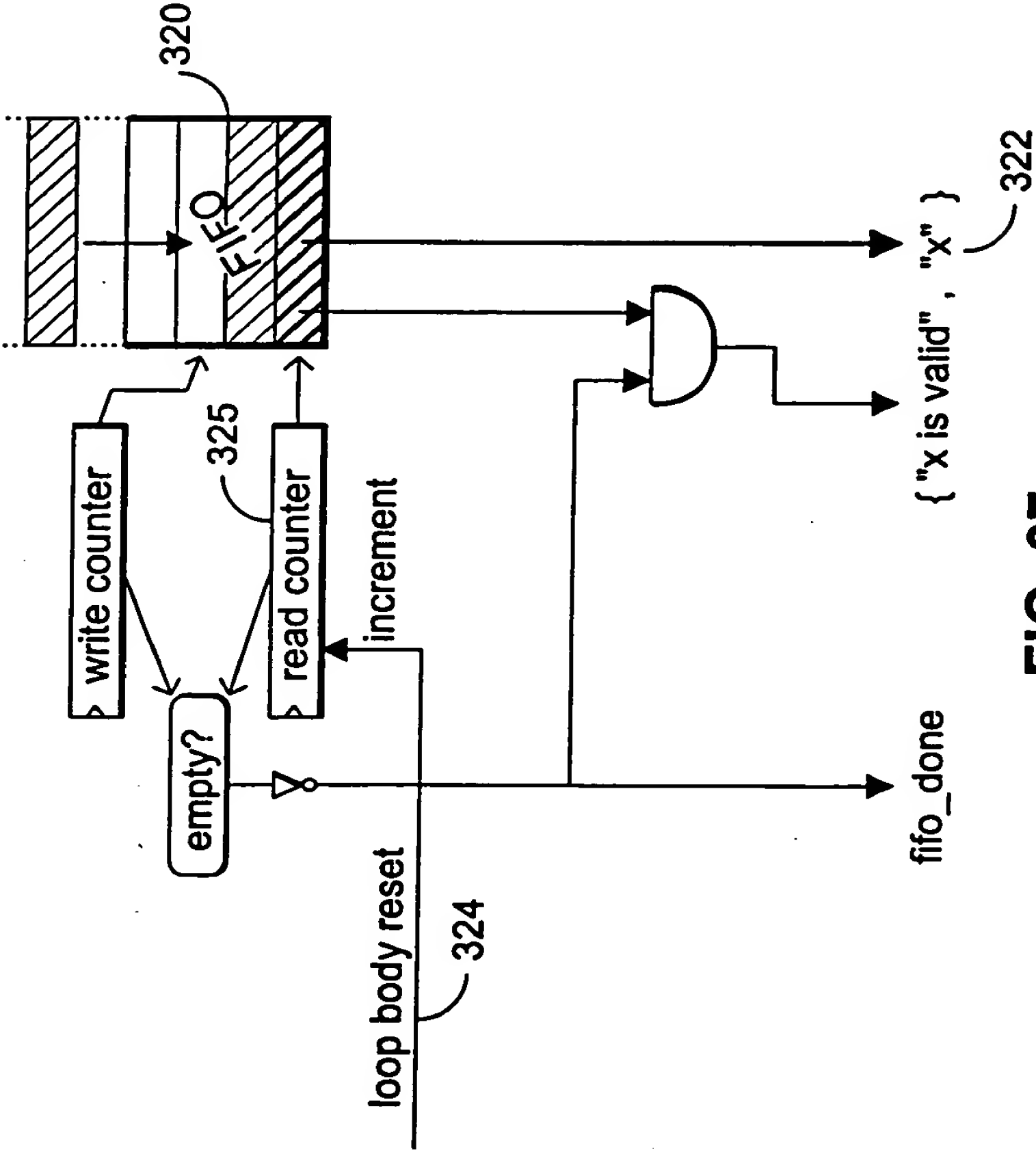


FIG. 37

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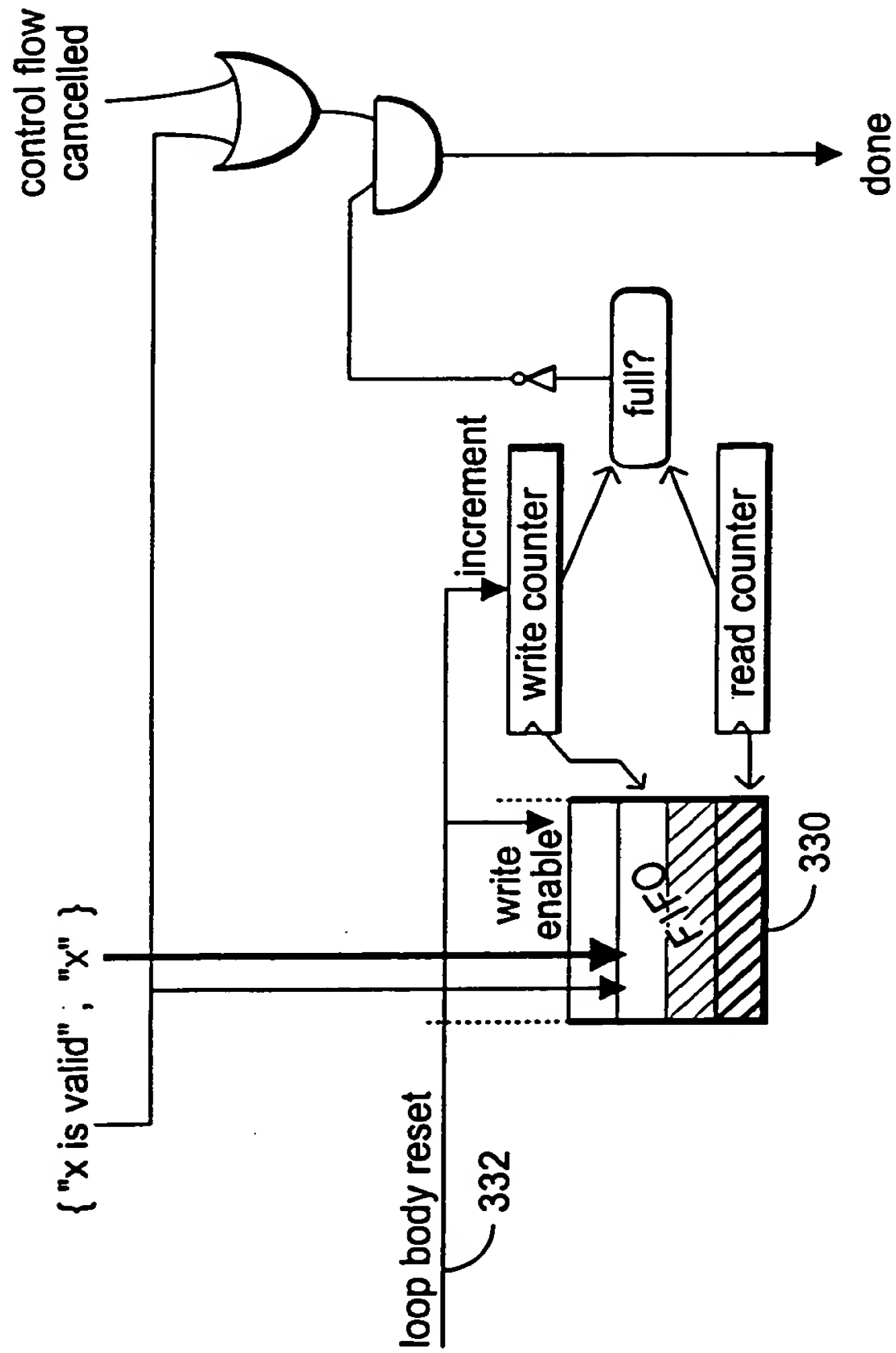


FIG. 38

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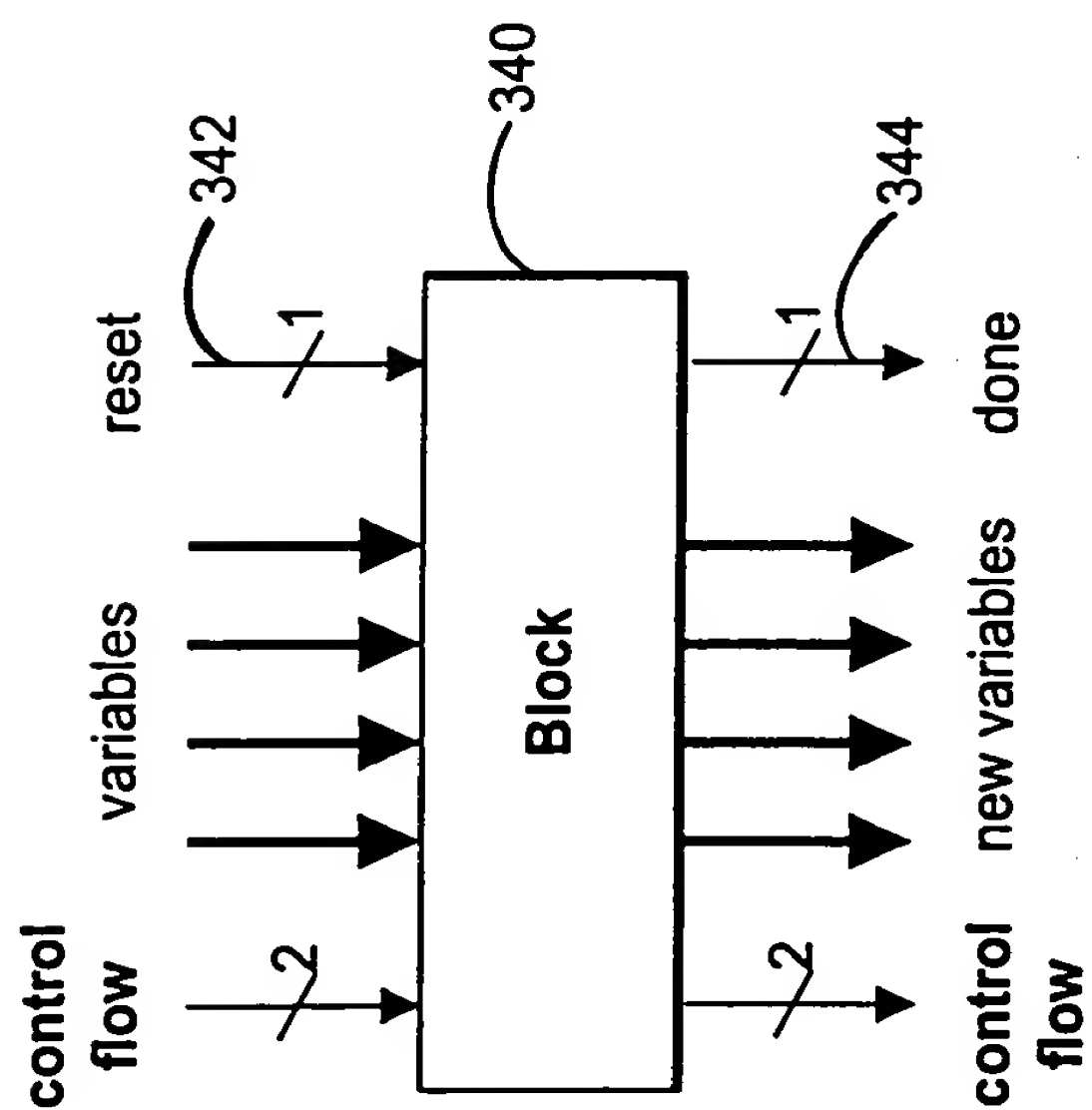


FIG. 39

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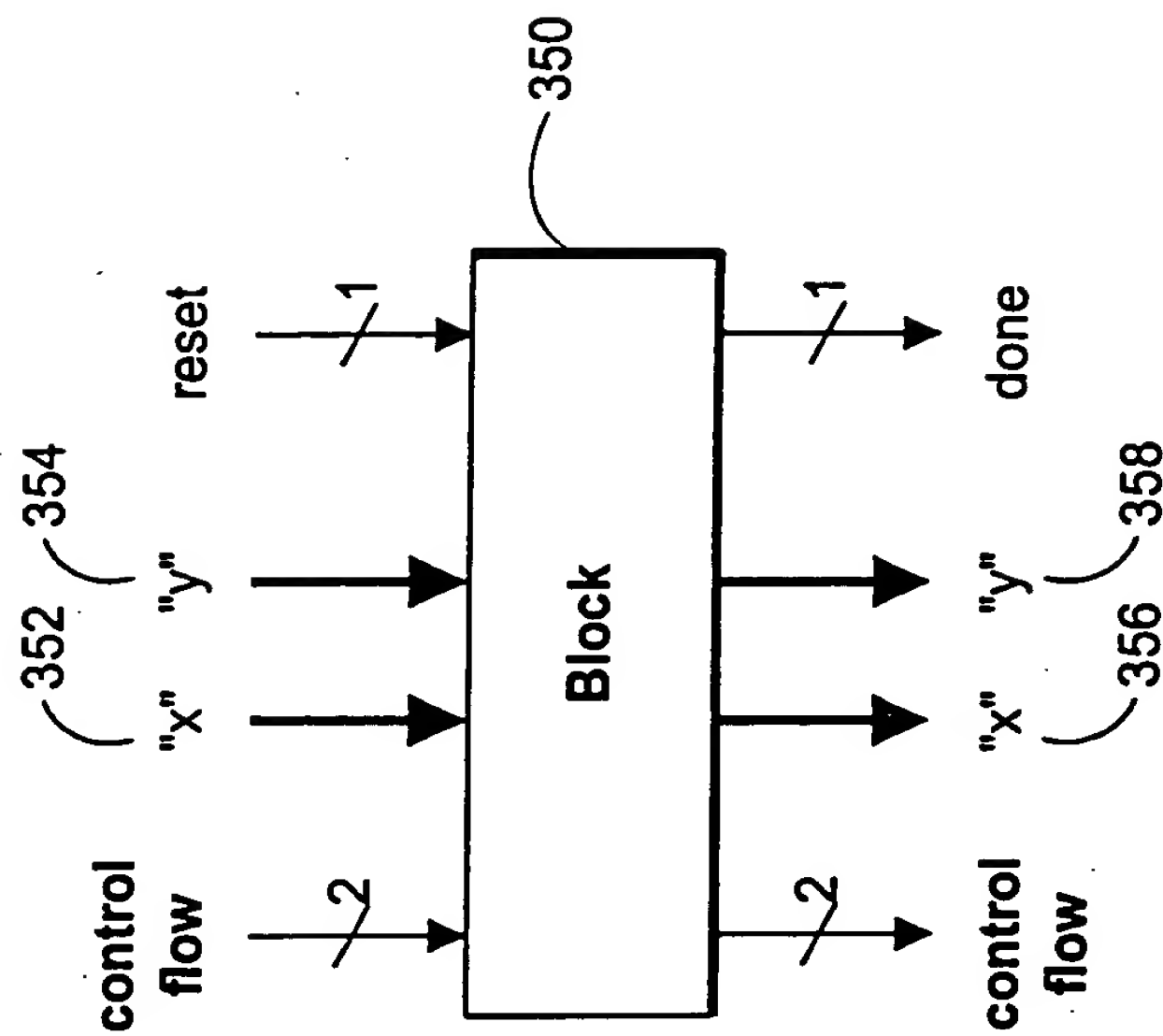


FIG. 40

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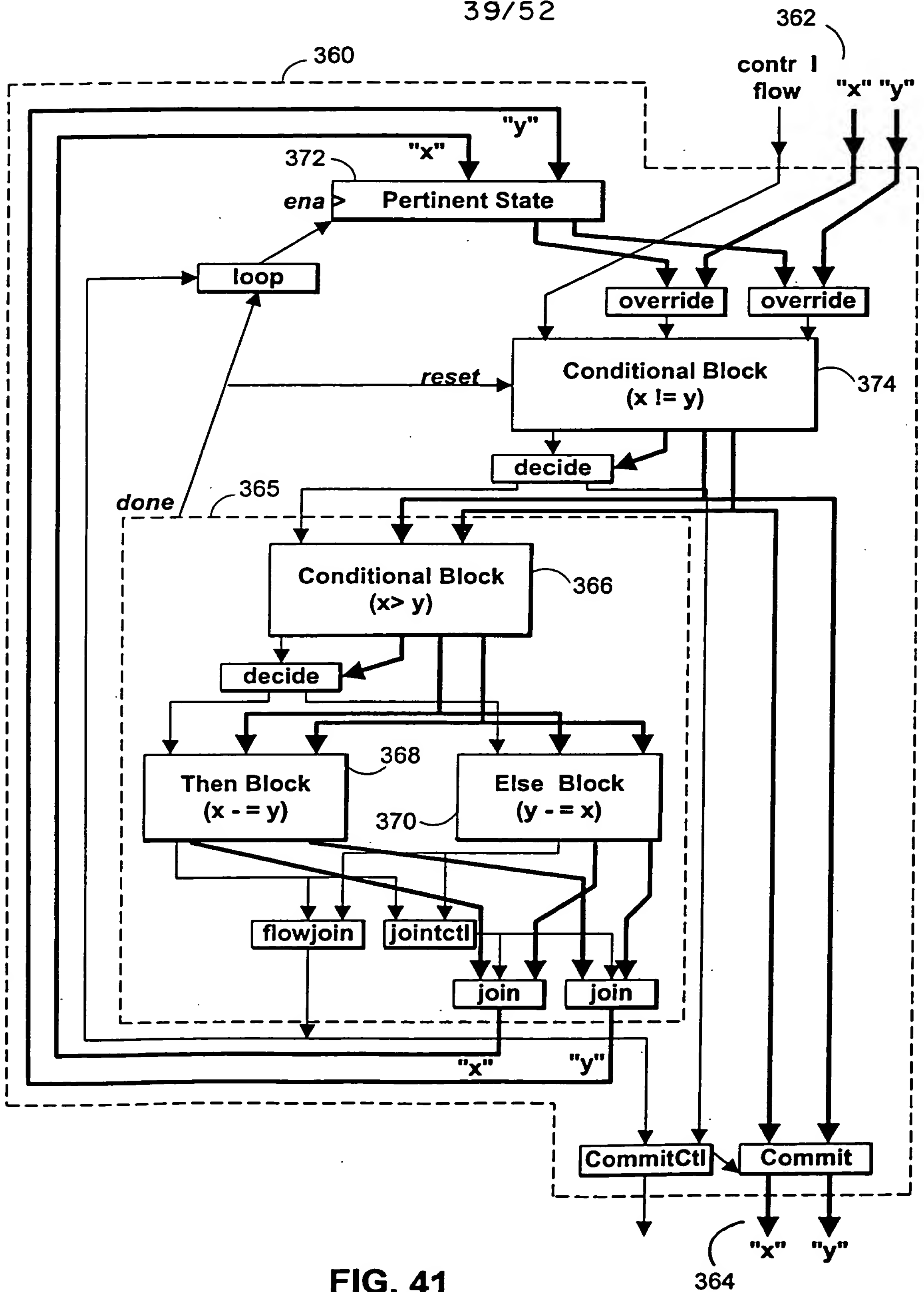


FIG. 41

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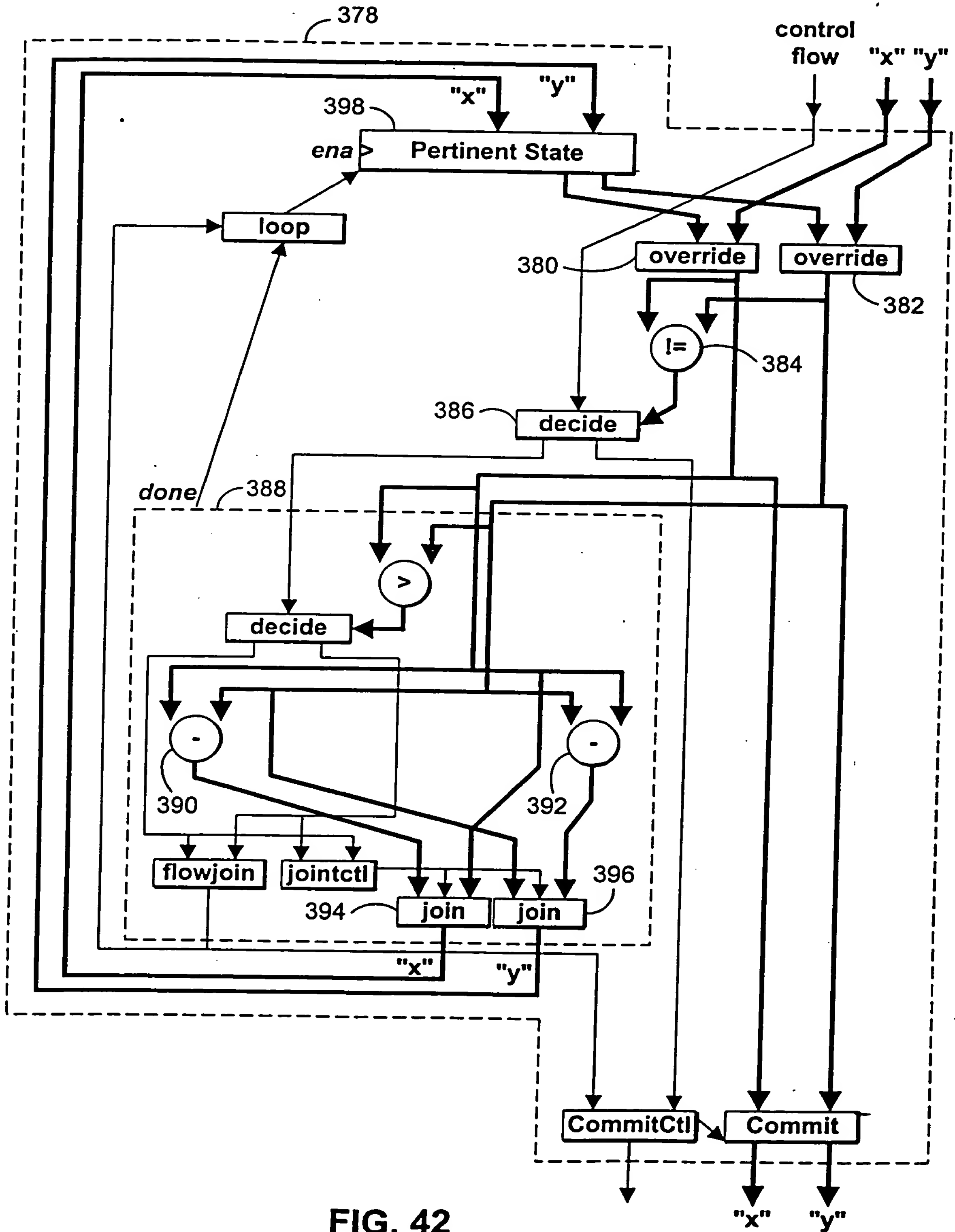


FIG. 42



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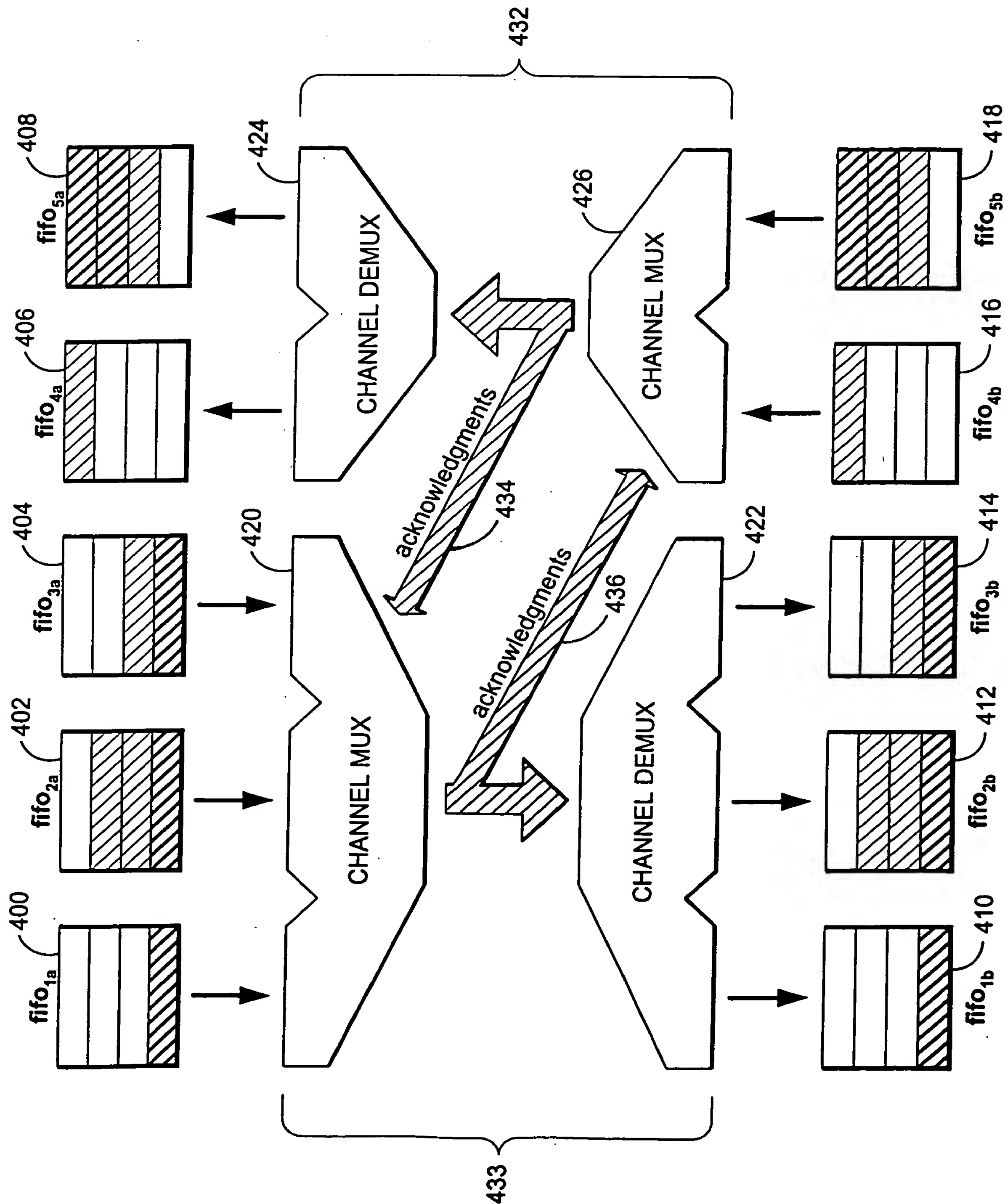


FIG. 43



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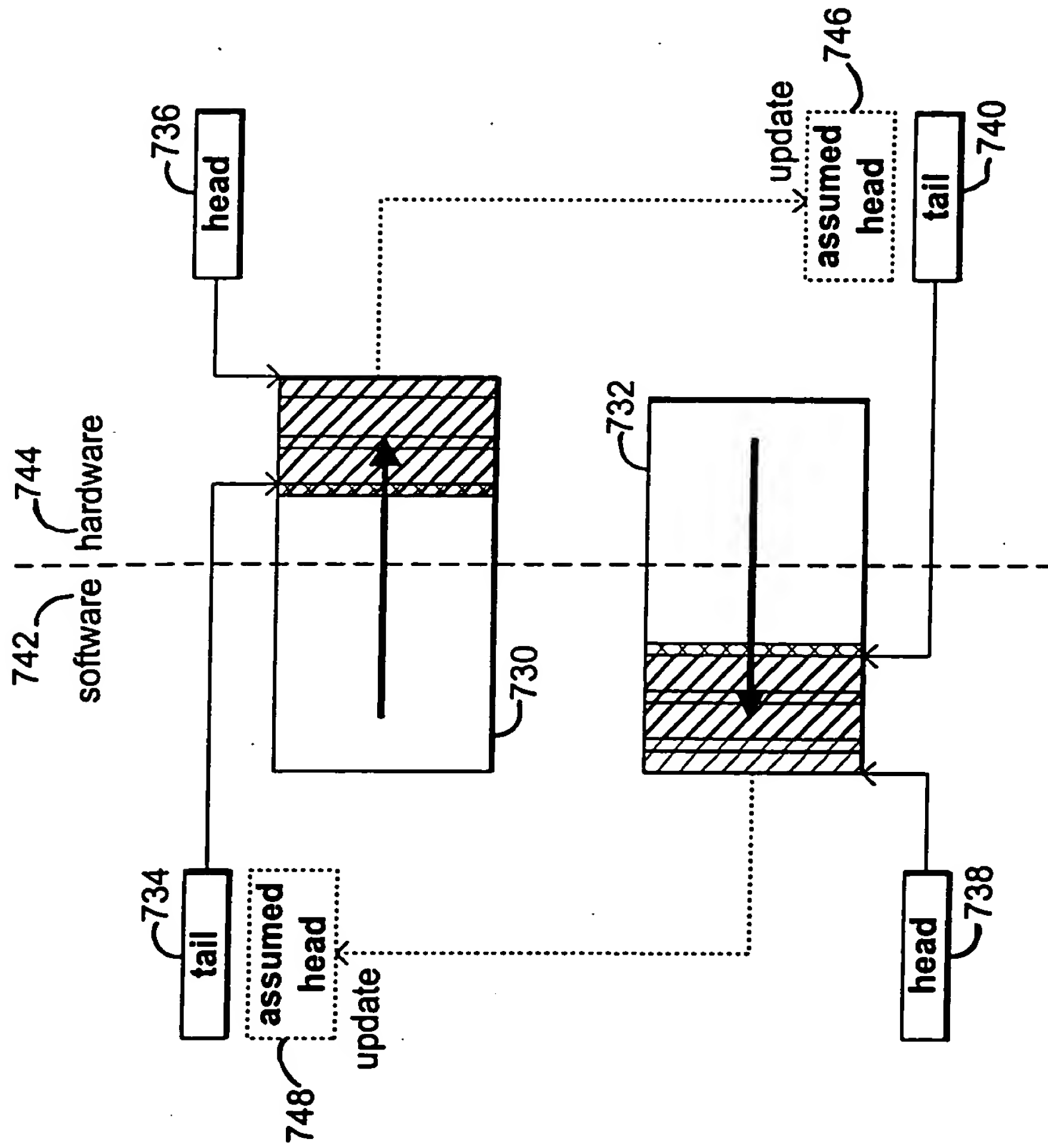


FIG. 45

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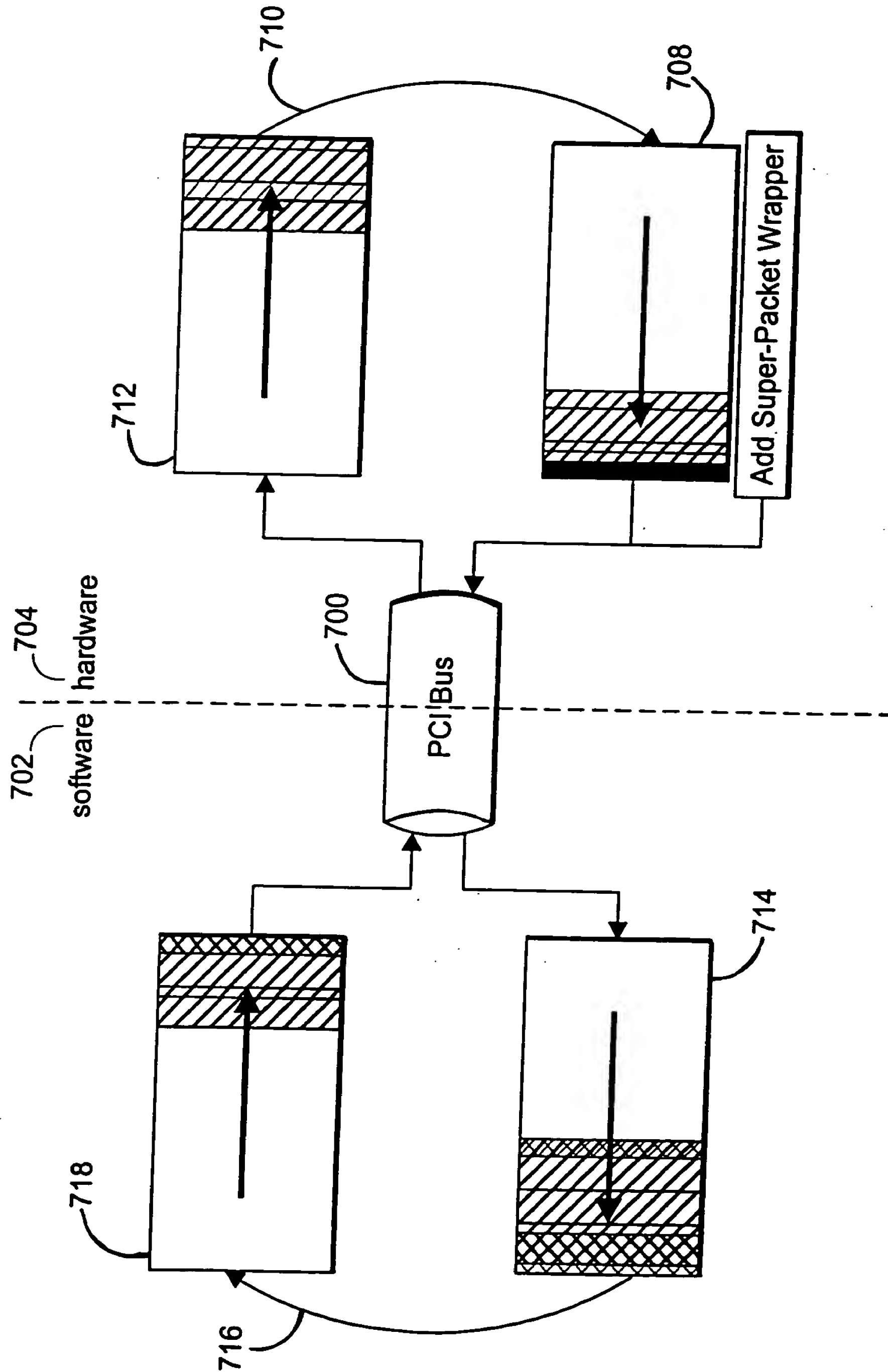


FIG. 46

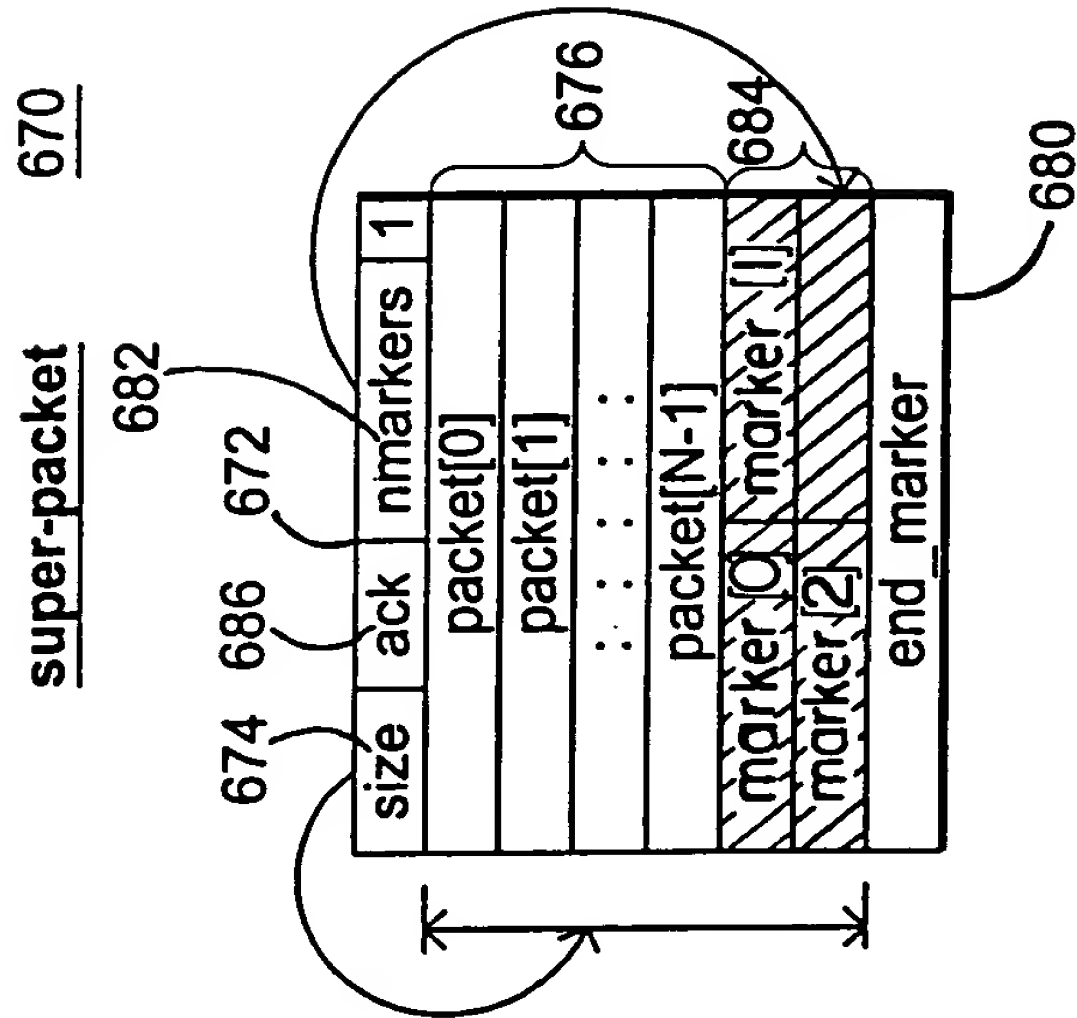


FIG. 47

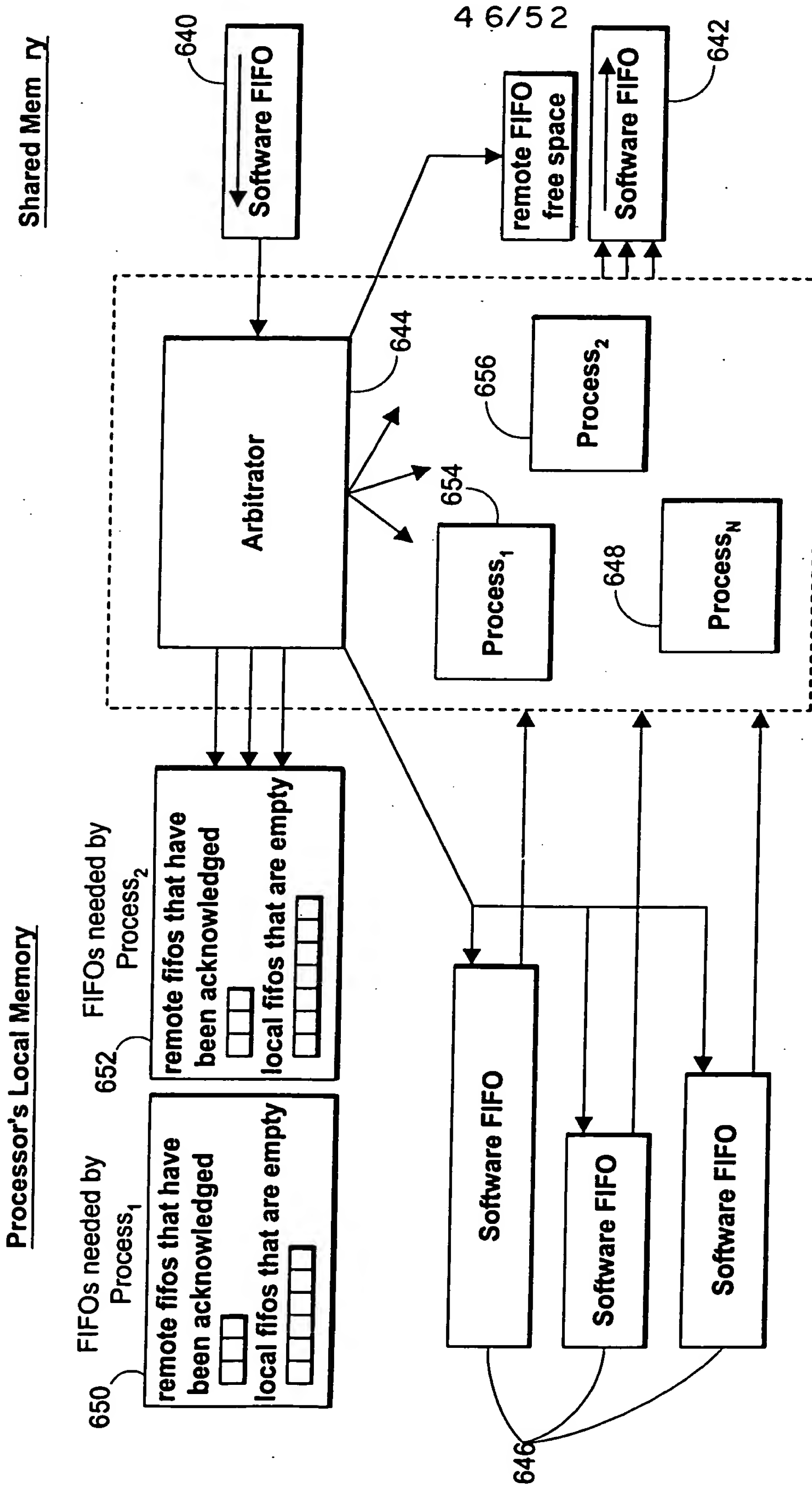


FIG. 48

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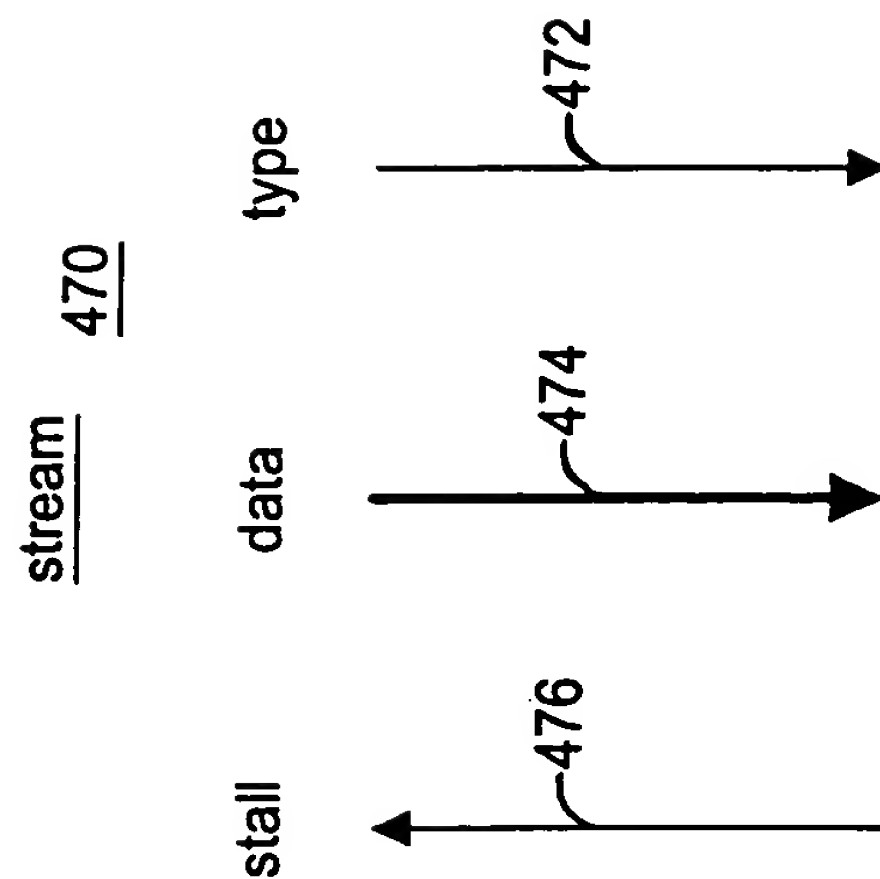


FIG. 49

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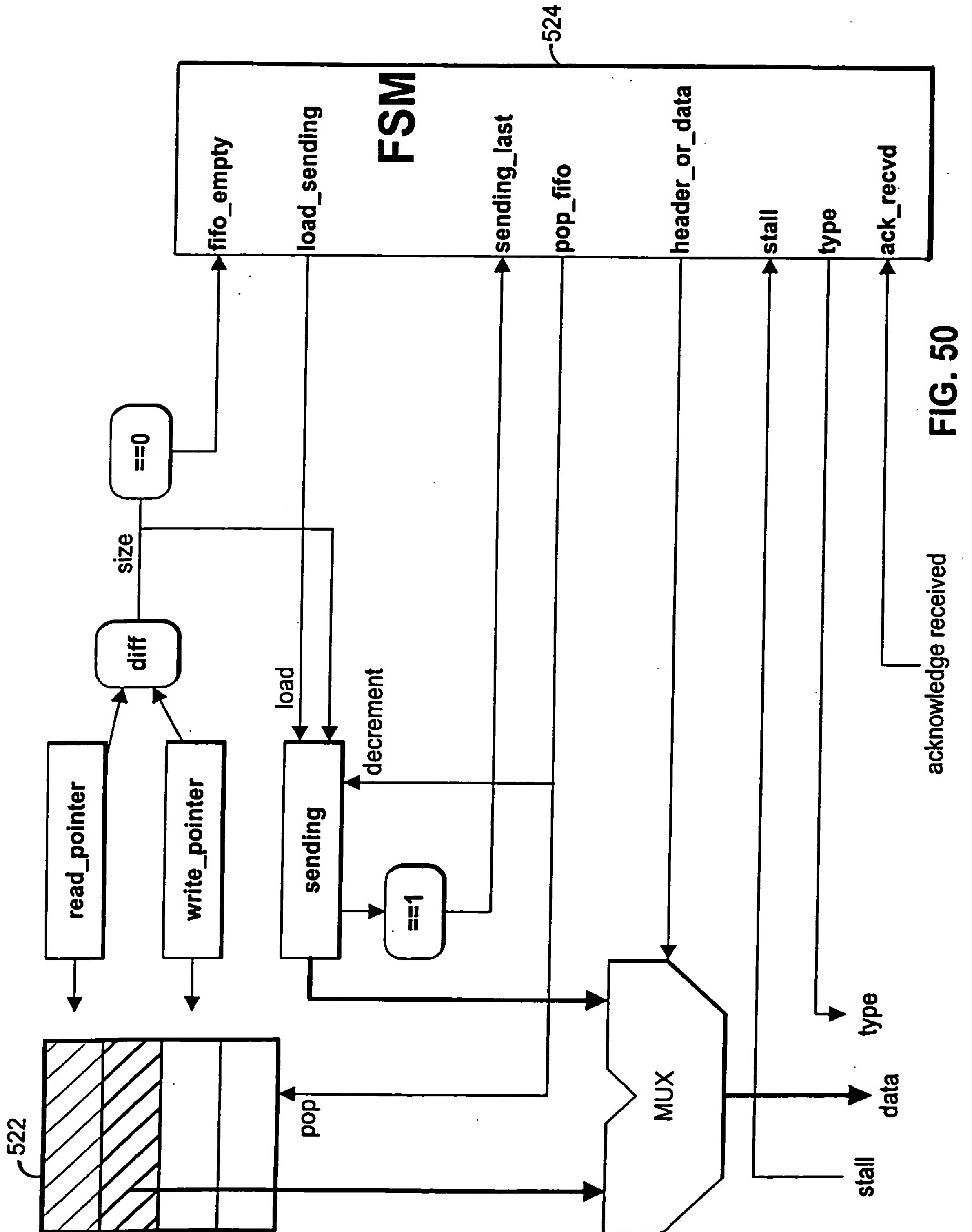


FIG. 50



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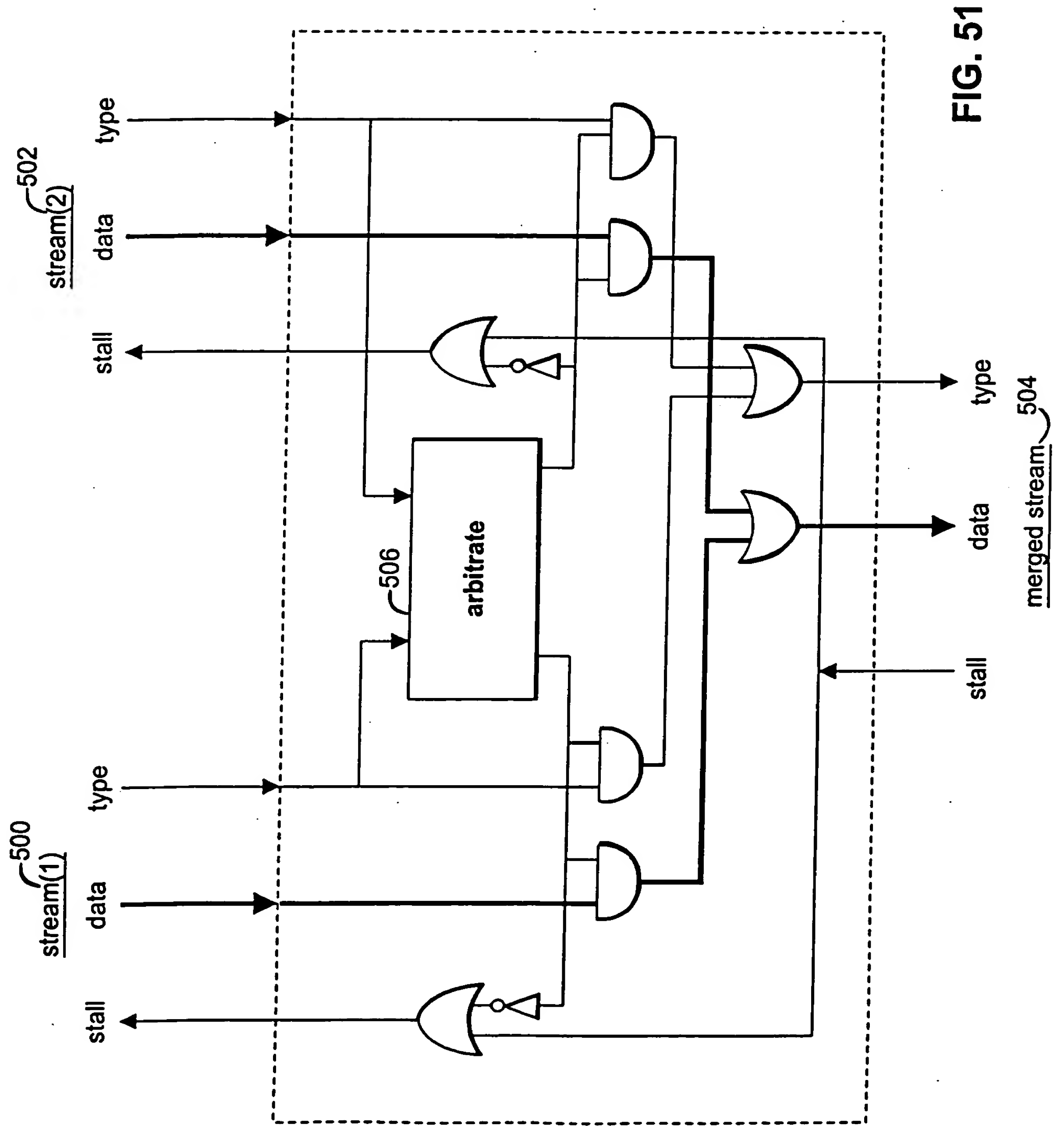


FIG. 51

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stream

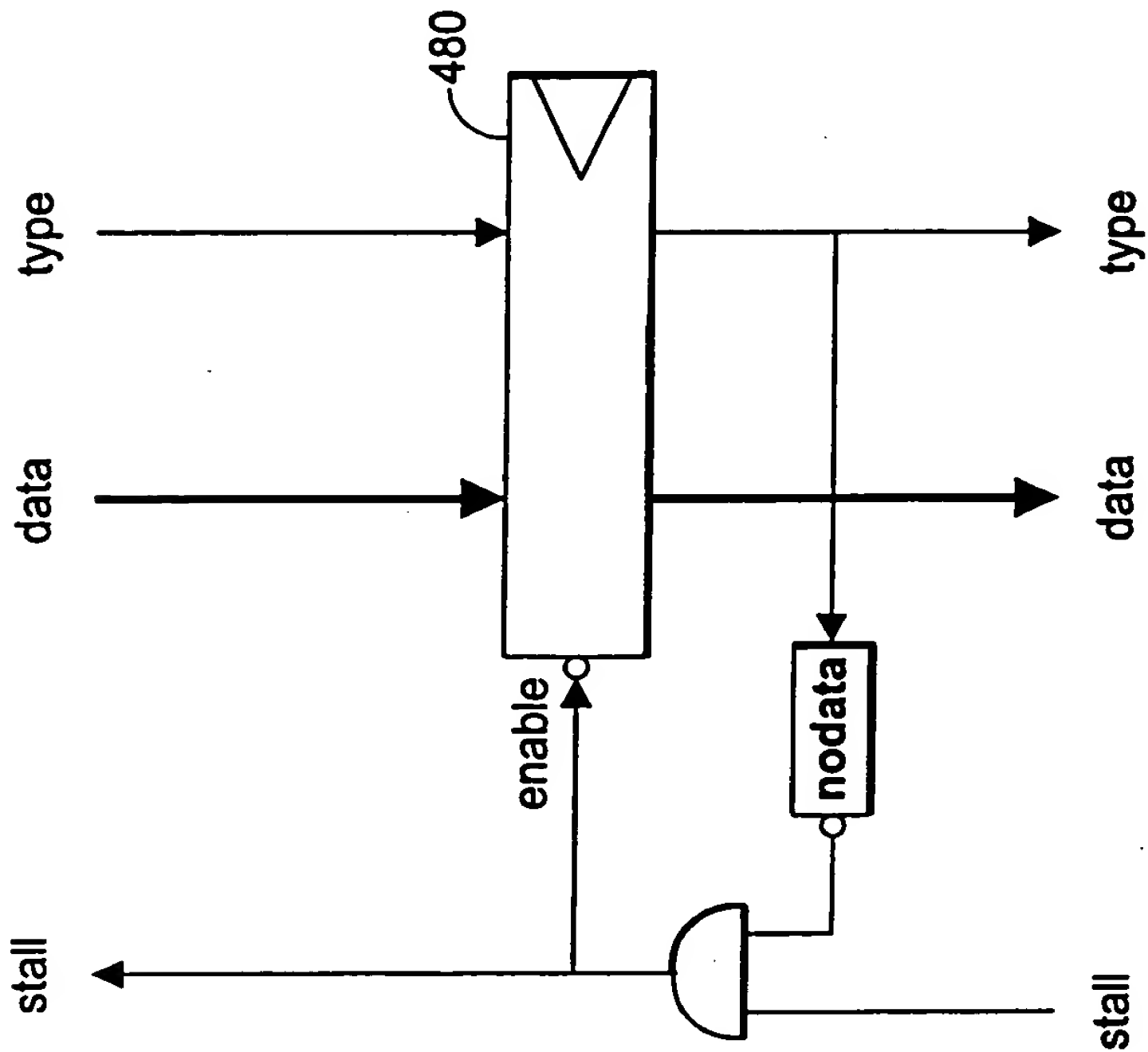


FIG. 53

stream

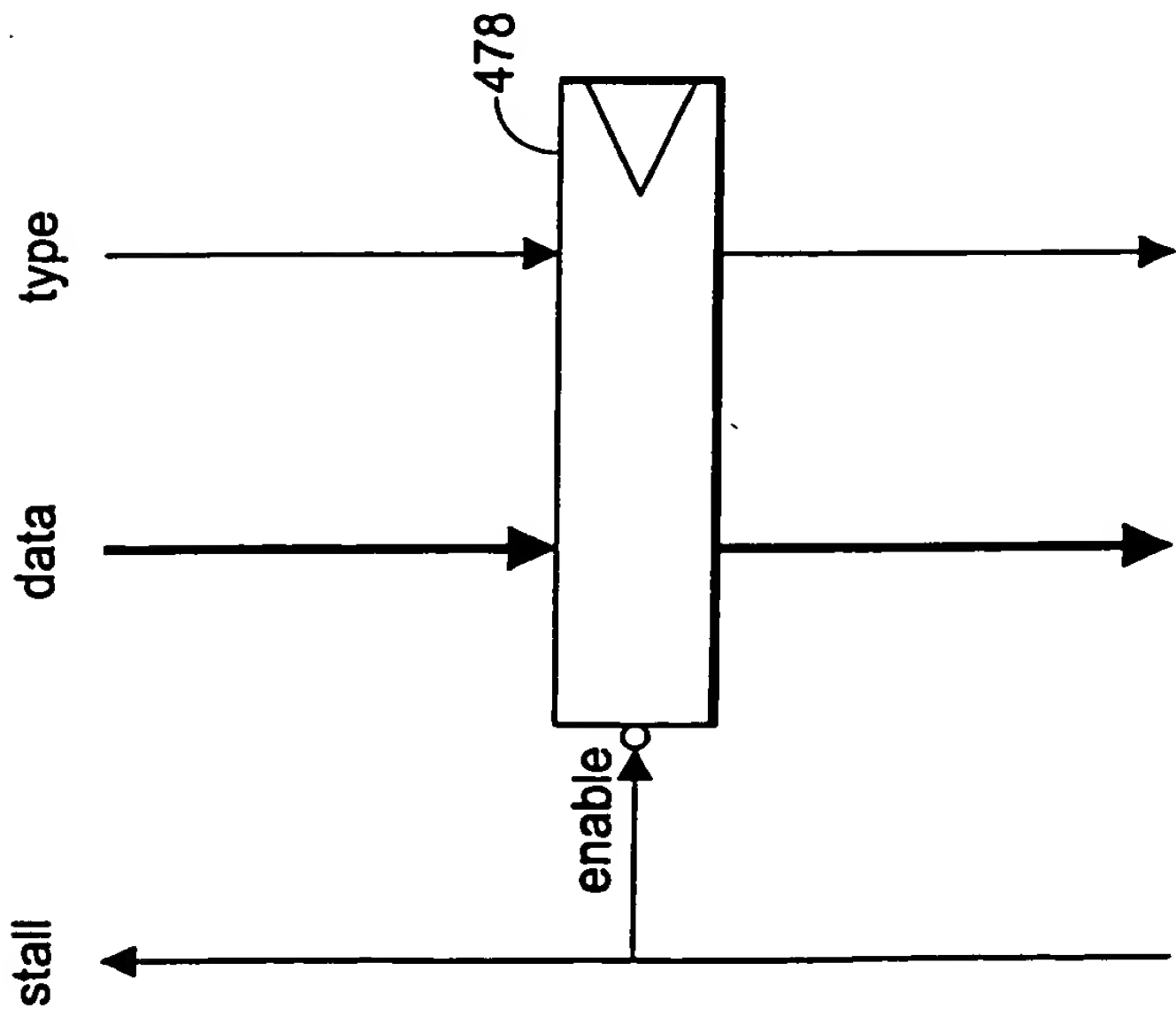


FIG. 52

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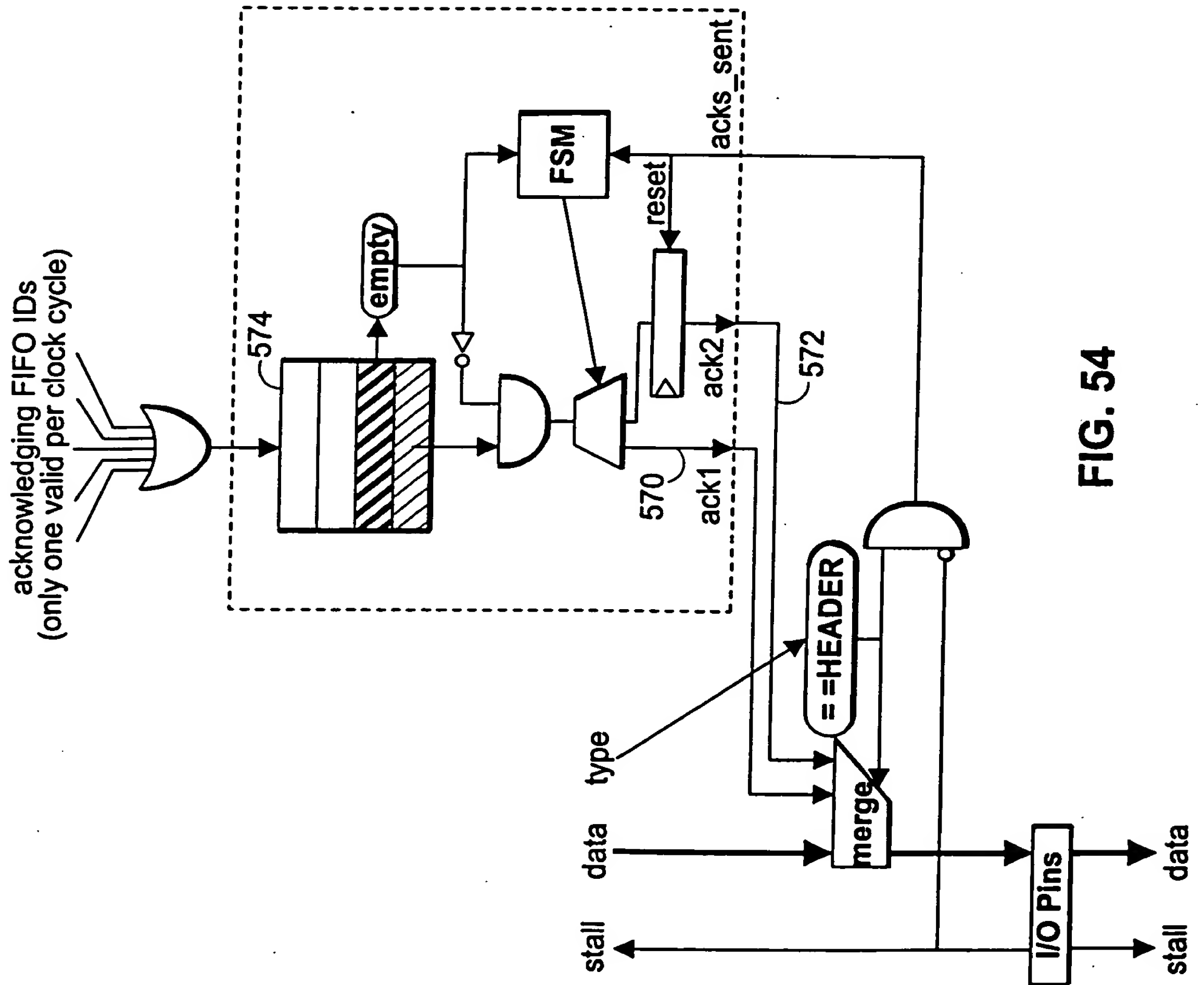


FIG. 54

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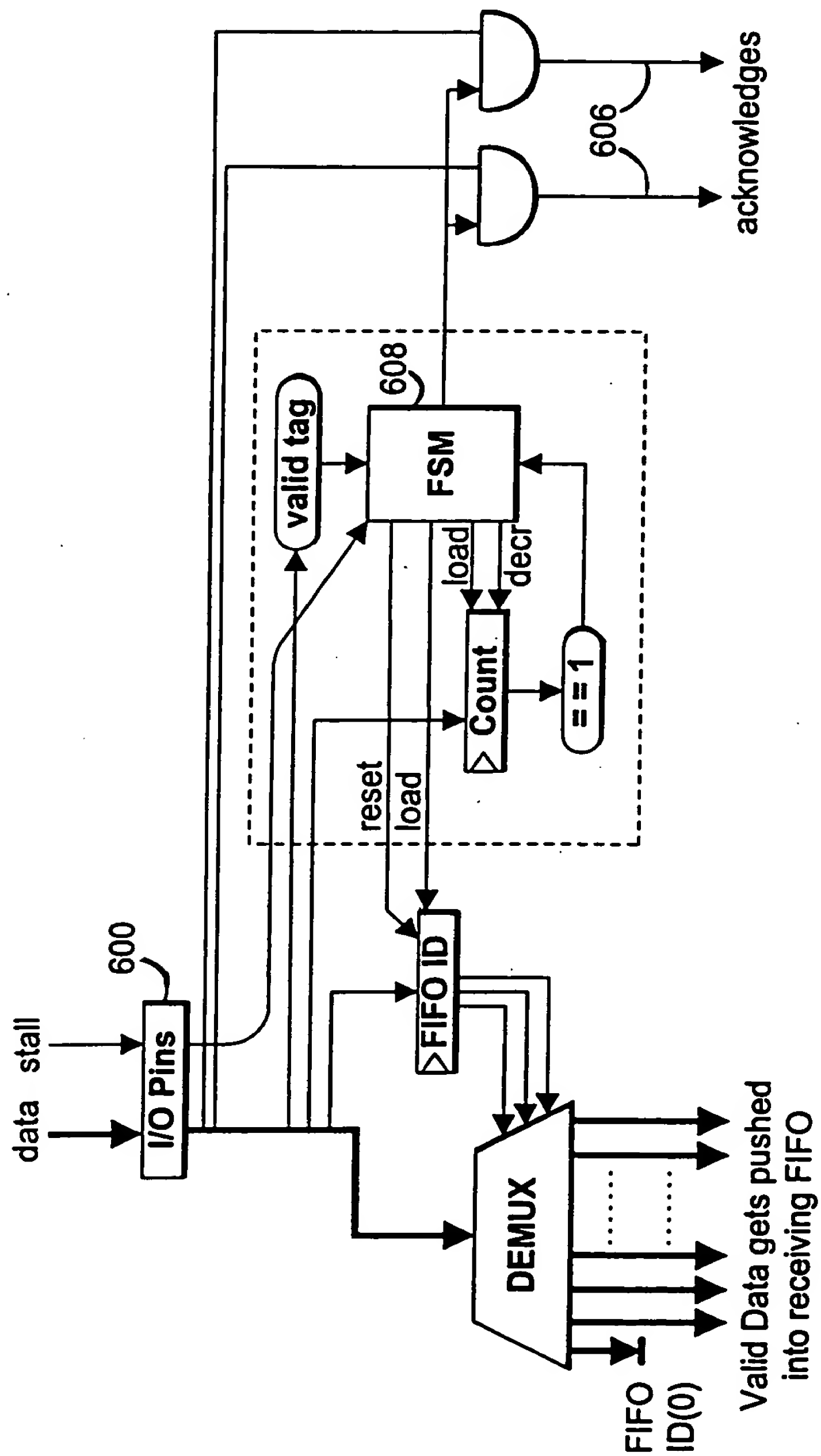


FIG. 55